

YouGov Survey: Solar Eclipse



Sample 1123 U.S. Adult Citizens
Conducted April 9 - 14, 2024
Margin of Error ±3.9%

1. Did you view the solar eclipse on Monday, April 8?

Yes, a total eclipse	19%
Yes, only a partial eclipse	30%
No, but I attempted to view it	15%
No, and I did not attempt to view it	36%

2. Did you travel to view the recent solar eclipse?

Yes, to a different city	5%
Yes, to a different state	3%
No	91%

3. In 2017, did you view the solar eclipse on August 21?

Yes, a total eclipse	16%
Yes, only a partial eclipse	22%
No, but I attempted to view it	8%
No, and I did not attempt to view it	39%
Not sure	14%

4. How many solar eclipses have you viewed in your lifetime?

None	14%
1	21%
2	23%
3	10%
4	5%
5 or more	4%
Not sure	24%

5. Do you want to view the next total solar eclipses visible from the U.S., in 2044 and 2045?

Yes	54%
No	19%
Not sure	28%

6. Would you say that the recent solar eclipse was...?

Among people who viewed the recent eclipse

Cooler than you expected	32%
About as cool as you expected	47%
Less cool than you expected	15%
Not sure	6%

7. How did you view the solar eclipse on Monday? Select all that apply.

Among people who viewed the recent eclipse

Directly, with glasses	74%
Directly, without glasses	9%
Through a telescope or binoculars	6%
Indirectly, by looking at a pinhole image	8%
Indirectly, by looking at shadows	12%
Indirectly, by looking at a camera or phone screen	12%
Other indirect way	6%

8. Did you wear eclipse glasses while viewing the solar eclipse on Monday?

Among people who viewed the recent eclipse

Yes, the whole time I was viewing it	60%
Yes, part of the time I was viewing it	21%
No	18%
Not sure	1%

9. How important do you think it is to wear eclipse glasses while viewing a solar eclipse?

Very important	80%
Somewhat important	11%
Not very important	2%
Not important at all	2%
Not sure	6%

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Interviewing Dates	April 9 - 14, 2024
Target population	U.S. citizens, aged 18 and over.
Sampling method	Respondents were selected from YouGov's opt-in Internet panel using sample matching. A random sample (stratified by gender, age, race, education, geographic region, and voter registration) was selected from the 2019 American Community Survey.
Weighting	The sample was weighted according to gender, age, race, education, 2020 election turnout and Presidential vote, baseline party identification, and current voter registration status. Demographic weighting targets come from the 2019 American Community Survey. Baseline party identification is the respondent's most recent answer given prior to November 1, 2022, and is weighted to the estimated distribution at that time (33% Democratic, 31% Republican). The weights range from 0.06 to 6.559, with a mean of one and a standard deviation of 0.876.
Number of respondents	1123
Margin of error	± 3.9% (adjusted for weighting)
Survey mode	Web-based interviews
Questions not reported	94 questions not reported.

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1. Viewed Solar Eclipse in 2024

Did you view the solar eclipse on Monday, April 8?

	Gender			Age (4 category)				Race (4 category)			
	Total	Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Yes, a total eclipse	19%	20%	18%	24%	23%	15%	14%	18%	18%	24%	15%
Yes, only a partial eclipse	30%	28%	33%	43%	29%	29%	23%	32%	27%	24%	32%
No, but I attempted to view it	15%	14%	16%	14%	15%	16%	16%	14%	18%	18%	17%
No, and I did not attempt to view it	36%	39%	33%	20%	33%	40%	47%	36%	37%	34%	37%
Totals	100%	101%	100%	101%	100%	100%	100%	100%	100%	100%	101%
Unweighted N	(1,120)	(490)	(630)	(148)	(242)	(407)	(323)	(696)	(149)	(158)	(117)

	Party ID			2020 Vote		Family Income (3 category)			Region				
	Total	Dem	Ind	Rep	Biden	Trump	< \$50K	\$50-100K	\$100K+	Northeast	Midwest	South	West
Yes, a total eclipse	19%	21%	16%	19%	18%	18%	18%	19%	18%	20%	26%	21%	6%
Yes, only a partial eclipse	30%	28%	33%	30%	35%	33%	25%	37%	36%	40%	29%	33%	22%
No, but I attempted to view it	15%	15%	12%	18%	12%	17%	19%	14%	11%	9%	11%	18%	19%
No, and I did not attempt to view it	36%	36%	38%	33%	35%	33%	39%	31%	34%	31%	34%	29%	53%
Totals	100%	100%	99%	100%	100%	101%	101%	101%	99%	100%	100%	101%	100%
Unweighted N	(1,120)	(384)	(420)	(316)	(404)	(372)	(508)	(324)	(188)	(197)	(234)	(437)	(252)

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2. Travel To View Eclipse

Did you travel to view the recent solar eclipse?

	Gender			Age (4 category)				Race (4 category)			
	Total	Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Yes, to a different city	5%	7%	3%	8%	10%	3%	2%	5%	5%	7%	0%
Yes, to a different state	3%	4%	3%	5%	7%	1%	1%	3%	3%	5%	1%
No	91%	89%	94%	87%	84%	96%	97%	91%	92%	88%	98%
Totals	99%	100%	100%	100%	101%	100%	100%	99%	100%	100%	99%
Unweighted N	(1,120)	(490)	(630)	(148)	(242)	(407)	(323)	(696)	(149)	(158)	(117)

	Party ID			2020 Vote		Family Income (3 category)			Region				
	Total	Dem	Ind	Rep	Biden	Trump	< \$50K	\$50-100K	\$100K+	Northeast	Midwest	South	West
Yes, to a different city	5%	6%	3%	7%	8%	5%	3%	7%	8%	6%	6%	4%	7%
Yes, to a different state	3%	5%	3%	2%	3%	2%	3%	2%	7%	0%	5%	4%	3%
No	91%	89%	94%	91%	89%	93%	94%	91%	85%	94%	89%	92%	90%
Totals	99%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Unweighted N	(1,120)	(384)	(420)	(316)	(404)	(372)	(508)	(324)	(188)	(197)	(234)	(437)	(252)

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3. Viewed Solar Eclipse in 2017

In 2017, did you view the solar eclipse on August 21?

	Gender			Age (4 category)				Race (4 category)			
	Total	Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Yes, a total eclipse	16%	17%	15%	17%	19%	14%	15%	17%	18%	12%	13%
Yes, only a partial eclipse	22%	21%	23%	25%	21%	21%	22%	22%	17%	24%	30%
No, but I attempted to view it	8%	8%	9%	7%	11%	8%	8%	8%	6%	11%	9%
No, and I did not attempt to view it	39%	40%	38%	31%	35%	45%	43%	37%	50%	41%	38%
Not sure	14%	14%	14%	20%	13%	12%	12%	16%	9%	13%	10%
Totals	99%	100%	99%	100%	99%	100%	100%	100%	100%	101%	100%
Unweighted N	(1,118)	(489)	(629)	(147)	(242)	(405)	(324)	(696)	(147)	(158)	(117)

	Party ID			2020 Vote		Family Income (3 category)			Region				
	Total	Dem	Ind	Rep	Biden	Trump	< \$50K	\$50-100K	\$100K+	Northeast	Midwest	South	West
Yes, a total eclipse	16%	21%	15%	12%	20%	13%	16%	18%	17%	7%	18%	18%	18%
Yes, only a partial eclipse	22%	18%	18%	32%	19%	31%	21%	26%	26%	21%	20%	26%	20%
No, but I attempted to view it	8%	7%	10%	8%	9%	8%	6%	10%	11%	8%	9%	7%	9%
No, and I did not attempt to view it	39%	45%	36%	37%	42%	36%	42%	35%	37%	43%	43%	36%	39%
Not sure	14%	10%	21%	11%	10%	11%	15%	12%	9%	20%	10%	14%	14%
Totals	99%	101%	100%	100%	100%	99%	100%	101%	100%	99%	100%	101%	100%
Unweighted N	(1,118)	(383)	(418)	(317)	(403)	(372)	(508)	(323)	(187)	(196)	(234)	(436)	(252)

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4. How Many Viewed Solar Eclipses

How many solar eclipses have you viewed in your lifetime?

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
None	14%	13%	15%	12%	15%	13%	15%	11%	19%	19%	21%
1	21%	19%	24%	30%	20%	17%	21%	23%	25%	12%	16%
2	23%	24%	22%	32%	25%	18%	19%	22%	21%	24%	29%
3	10%	12%	8%	7%	8%	13%	10%	11%	10%	8%	5%
4	5%	5%	4%	3%	4%	6%	5%	5%	2%	7%	3%
5 or more	4%	4%	4%	0%	5%	5%	4%	3%	5%	7%	2%
Not sure	24%	23%	25%	17%	23%	28%	26%	25%	17%	23%	24%
Totals	101%	100%	102%	101%	100%	100%	100%	100%	99%	100%	100%
Unweighted N	(1,123)	(490)	(633)	(148)	(242)	(408)	(325)	(699)	(149)	(158)	(117)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< \$50K	\$50-100K	\$100K+	Northeast	Midwest	South	West
None	14%	15%	14%	13%	11%	12%	18%	12%	7%	13%	15%	12%	17%
1	21%	23%	21%	19%	25%	20%	21%	22%	22%	21%	22%	23%	18%
2	23%	28%	18%	22%	26%	20%	20%	27%	29%	21%	22%	24%	23%
3	10%	7%	9%	13%	8%	13%	10%	9%	13%	9%	12%	10%	9%
4	5%	4%	4%	6%	4%	6%	5%	5%	5%	5%	4%	4%	6%
5 or more	4%	5%	3%	4%	5%	5%	4%	4%	5%	6%	3%	4%	4%
Not sure	24%	19%	31%	23%	22%	23%	23%	20%	20%	26%	23%	24%	23%
Totals	101%	101%	100%	100%	101%	99%	101%	99%	101%	101%	101%	101%	100%
Unweighted N	(1,123)	(384)	(420)	(319)	(404)	(374)	(511)	(324)	(188)	(198)	(234)	(439)	(252)

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5. Want to View 2044 and 2045 Solar Eclipses

Do you want to view the next total solar eclipses visible from the U.S., in 2044 and 2045?

	Gender			Age (4 category)				Race (4 category)			
	Total	Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Yes	54%	53%	55%	64%	65%	52%	34%	54%	56%	49%	55%
No	19%	19%	19%	13%	9%	20%	32%	19%	17%	18%	21%
Not sure	28%	29%	27%	23%	25%	29%	33%	27%	27%	33%	24%
Totals	101%	101%	101%	100%	99%	101%	99%	100%	100%	100%	100%
Unweighted N	(1,121)	(489)	(632)	(147)	(242)	(407)	(325)	(699)	(148)	(158)	(116)

	Party ID			2020 Vote		Family Income (3 category)			Region				
	Total	Dem	Ind	Rep	Biden	Trump	< \$50K	\$50-100K	\$100K+	Northeast	Midwest	South	West
Yes	54%	58%	49%	54%	53%	54%	49%	58%	60%	52%	53%	57%	51%
No	19%	18%	19%	19%	16%	19%	22%	18%	11%	16%	22%	15%	22%
Not sure	28%	24%	32%	27%	30%	27%	29%	24%	29%	31%	25%	28%	27%
Totals	101%	100%	100%	100%	99%	100%	100%	100%	100%	99%	100%	100%	100%
Unweighted N	(1,121)	(383)	(419)	(319)	(404)	(373)	(509)	(324)	(188)	(198)	(233)	(438)	(252)

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6. How Cool Was Eclipse

Would you say that the recent solar eclipse was . . . ?

Among people who viewed the recent eclipse

	Gender			Age (4 category)				Race (4 category)			
	Total	Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Cooler than you expected	32%	34%	31%	27%	33%	34%	35%	31%	*	*	*
About as cool as you expected	47%	47%	47%	51%	47%	45%	45%	50%	*	*	*
Less cool than you expected	15%	14%	15%	11%	17%	15%	17%	16%	*	*	*
Not sure	6%	4%	7%	11%	3%	5%	3%	4%	*	*	*
Totals	100%	99%	100%	100%	100%	99%	100%	101%	*	*	*
Unweighted N	(535)	(232)	(303)	(92)	(135)	(183)	(125)	(341)	(61)	(79)	(54)

	Party ID			2020 Vote		Family Income (3 category)			Region				
	Total	Dem	Ind	Rep	Biden	Trump	< \$50K	\$50-100K	\$100K+	Northeast	Midwest	South	West
Cooler than you expected	32%	35%	31%	30%	39%	29%	31%	33%	31%	32%	33%	35%	*
About as cool as you expected	47%	45%	50%	47%	45%	50%	48%	47%	48%	51%	42%	45%	*
Less cool than you expected	15%	14%	13%	16%	14%	19%	12%	16%	18%	15%	15%	15%	*
Not sure	6%	5%	6%	8%	3%	2%	9%	4%	4%	2%	10%	5%	*
Totals	100%	99%	100%	101%	101%	100%	100%	100%	101%	100%	100%	100%	*
Unweighted N	(535)	(177)	(214)	(144)	(201)	(171)	(213)	(169)	(107)	(112)	(123)	(226)	(74)

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7. Viewed Eclipse Directly

How did you view the solar eclipse on Monday? Select all that apply.

Among people who viewed the recent eclipse

	Gender			Age (4 category)				Race (4 category)			
	Total	Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Directly, with glasses	74%	72%	76%	71%	73%	80%	72%	77%	*	*	*
Directly, without glasses	9%	8%	9%	14%	7%	8%	2%	7%	*	*	*
Through a telescope or binoculars	6%	11%	2%	11%	10%	1%	2%	6%	*	*	*
Indirectly, by looking at a pinhole image	8%	10%	7%	11%	10%	5%	6%	9%	*	*	*
Indirectly, by looking at shadows	12%	14%	10%	16%	12%	9%	9%	14%	*	*	*
Indirectly, by looking at a camera or phone screen	12%	13%	11%	14%	11%	11%	13%	12%	*	*	*
Other indirect way	6%	6%	6%	6%	3%	6%	10%	4%	*	*	*
Unweighted N	(537)	(234)	(303)	(92)	(135)	(184)	(126)	(342)	(62)	(79)	(54)

	Party ID			2020 Vote		Family Income (3 category)			Region				
	Total	Dem	Ind	Rep	Biden	Trump	< \$50K	\$50-100K	\$100K+	Northeast	Midwest	South	West
Directly, with glasses	74%	83%	74%	65%	82%	75%	65%	80%	80%	73%	79%	77%	*
Directly, without glasses	9%	3%	12%	11%	8%	8%	9%	11%	5%	12%	4%	8%	*
Through a telescope or binoculars	6%	7%	4%	8%	5%	7%	6%	5%	10%	8%	0%	4%	*
Indirectly, by looking at a pinhole image	8%	14%	5%	7%	7%	5%	7%	9%	11%	5%	10%	6%	*
Indirectly, by looking at shadows	12%	14%	11%	9%	13%	9%	11%	12%	10%	10%	10%	11%	*

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	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< \$50K	\$50-100K	\$100K+	Northeast	Midwest	South	West
Indirectly, by looking at a camera or phone screen	12%	12%	12%	12%	18%	9%	8%	19%	8%	12%	12%	10%	*
Other indirect way	6%	4%	5%	9%	4%	7%	8%	6%	4%	4%	8%	5%	*
Unweighted N	(537)	(178)	(214)	(145)	(202)	(172)	(214)	(169)	(107)	(112)	(124)	(227)	(74)

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8. Wore Glasses During Eclipse

Did you wear eclipse glasses while viewing the solar eclipse on Monday?

Among people who viewed the recent eclipse

	Gender		Age (4 category)				Race (4 category)				
	Total	Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Yes, the whole time I was viewing it	60%	59%	61%	50%	69%	59%	66%	59%	*	*	*
Yes, part of the time I was viewing it	21%	21%	21%	30%	19%	19%	11%	22%	*	*	*
No	18%	18%	18%	19%	11%	22%	22%	18%	*	*	*
Not sure	1%	1%	0%	1%	1%	0%	1%	1%	*	*	*
Totals	100%	99%	100%	100%	100%	100%	100%	100%	*	*	*
Unweighted N	(537)	(234)	(303)	(92)	(135)	(184)	(126)	(342)	(62)	(79)	(54)

	Party ID			2020 Vote		Family Income (3 category)			Region				
	Total	Dem	Ind	Rep	Biden	Trump	< \$50K	\$50-100K	\$100K+	Northeast	Midwest	South	West
Yes, the whole time I was viewing it	60%	75%	53%	53%	67%	59%	57%	59%	69%	55%	63%	59%	*
Yes, part of the time I was viewing it	21%	13%	24%	25%	19%	24%	17%	27%	17%	28%	18%	23%	*
No	18%	11%	22%	22%	14%	17%	26%	13%	14%	17%	19%	18%	*
Not sure	1%	0%	1%	1%	0%	1%	0%	1%	0%	0%	0%	0%	*
Totals	100%	99%	100%	101%	100%	101%	100%	100%	100%	100%	100%	100%	*
Unweighted N	(537)	(178)	(214)	(145)	(202)	(172)	(214)	(169)	(107)	(112)	(124)	(227)	(74)

9. Importance of Glasses During Eclipse

How important do you think it is to wear eclipse glasses while viewing a solar eclipse?

	Gender			Age (4 category)				Race (4 category)			
	Total	Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Very important	80%	78%	82%	68%	77%	82%	90%	82%	71%	76%	77%
Somewhat important	11%	12%	9%	15%	13%	10%	5%	11%	9%	8%	13%
Not very important	2%	2%	1%	5%	1%	1%	1%	1%	4%	4%	0%
Not important at all	2%	2%	2%	1%	2%	3%	0%	1%	3%	2%	2%
Not sure	6%	7%	6%	11%	8%	4%	4%	4%	12%	10%	7%
Totals	101%	101%	100%	100%	101%	100%	100%	99%	99%	100%	99%
Unweighted N	(1,122)	(490)	(632)	(147)	(242)	(408)	(325)	(699)	(148)	(158)	(117)

	Party ID			2020 Vote		Family Income (3 category)			Region				
	Total	Dem	Ind	Rep	Biden	Trump	< \$50K	\$50-100K	\$100K+	Northeast	Midwest	South	West
Very important	80%	87%	74%	78%	85%	82%	79%	79%	80%	75%	81%	81%	80%
Somewhat important	11%	6%	12%	14%	8%	12%	9%	14%	13%	8%	8%	13%	12%
Not very important	2%	3%	0%	1%	1%	1%	2%	1%	0%	2%	3%	1%	1%
Not important at all	2%	0%	3%	2%	0%	2%	2%	2%	2%	0%	1%	2%	3%
Not sure	6%	4%	11%	5%	6%	4%	8%	5%	5%	15%	7%	3%	4%
Totals	101%	100%	100%	100%	100%	101%	100%	101%	100%	100%	100%	100%	100%
Unweighted N	(1,122)	(384)	(419)	(319)	(404)	(374)	(510)	(324)	(188)	(198)	(233)	(439)	(252)

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Weighting	The sample was weighted according to gender, age, race, education, 2020 election turnout and Presidential vote, baseline party identification, and current voter registration status. Demographic weighting targets come from the 2019 American Community Survey. Baseline party identification is the respondent's most recent answer given prior to November 1, 2022, and is weighted to the estimated distribution at that time (33% Democratic, 31% Republican). The weights range from 0.06 to 6.559, with a mean of one and a standard deviation of 0.876.
Number of respondents	1123
Margin of error	± 3.9% (adjusted for weighting)
Survey mode	Web-based interviews
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