

# Indien: Auf astronomischen Pfaden in Rajasthan 17. November - 5. Dezember 2024

<https://www.photomeeting.de/india2024b/>

Alle Angaben in Ortszeit. Zeiten wurden berechnet für Khimsar, Rajasthan.

Die nachfolgenden Seiten wurden mithilfe der folgenden Websites generiert:

<http://www.timeanddate.de>

<https://www.heavens-above.com>

<https://jekophoto.de/tools/daemmerungsrechner-blaue-stunde-goldene-stunde/>

Zusammenstellung von Stefan Seip. Angaben ohne Gewähr.

## Sonnenzeiten, Tageslänge und Dämmerung in Khimsar

2024	Sonnenaufgang/-untergang		Tageslänge		Astronomische Dämmerung		Nautische Dämmerung		Bürgerl. Dämmerung	
Nov	Sonnenaufgang	Sonnenuntergang	Länge	Diff.	Start	Ende	Start	Ende	Start	Ende
17 <span>▼</span>	07:03 ↘ (111°)	17:52 ↙ (249°)	10:49:39	-1:03	05:43	19:12	06:10	18:45	06:38	18:17
18 <span>▼</span>	07:04 ↘ (111°)	17:52 ↙ (249°)	10:48:36	-1:02	05:43	19:12	06:11	18:45	06:39	18:17
19 <span>▼</span>	07:04 ↘ (111°)	17:52 ↙ (248°)	10:47:35	-1:01	05:44	19:12	06:12	18:44	06:40	18:16
20 <span>▼</span>	07:05 ↘ (112°)	17:52 ↙ (248°)	10:46:35	-0:59	05:45	19:12	06:12	18:44	06:40	18:16
21 <span>▼</span>	07:06 ↘ (112°)	17:51 ↙ (248°)	10:45:37	-0:58	05:45	19:12	06:13	18:44	06:41	18:16
22 <span>▼</span>	07:07 ↘ (112°)	17:51 ↙ (248°)	10:44:40	-0:57	05:46	19:12	06:14	18:44	06:42	18:16
23 <span>▼</span>	07:07 ↘ (112°)	17:51 ↙ (247°)	10:43:44	-0:55	05:47	19:12	06:14	18:44	06:43	18:16
24 <span>▼</span>	07:08 ↘ (113°)	17:51 ↙ (247°)	10:42:50	-0:54	05:47	19:12	06:15	18:44	06:43	18:16
25 <span>▼</span>	07:09 ↘ (113°)	17:51 ↙ (247°)	10:41:58	-0:52	05:48	19:12	06:16	18:44	06:44	18:15
26 <span>▼</span>	07:09 ↘ (113°)	17:51 ↙ (247°)	10:41:07	-0:50	05:49	19:12	06:16	18:44	06:45	18:15
27 <span>▼</span>	07:10 ↘ (113°)	17:51 ↙ (247°)	10:40:18	-0:49	05:49	19:12	06:17	18:44	06:45	18:15
28 <span>▼</span>	07:11 ↘ (113°)	17:50 ↙ (246°)	10:39:30	-0:47	05:50	19:12	06:18	18:44	06:46	18:15
29 <span>▼</span>	07:12 ↘ (114°)	17:50 ↙ (246°)	10:38:44	-0:45	05:50	19:12	06:18	18:44	06:47	18:15
30 <span>▼</span>	07:12 ↘ (114°)	17:50 ↙ (246°)	10:38:00	-0:44	05:51	19:12	06:19	18:44	06:48	18:15
Dez	Sonnenaufgang	Sonnenuntergang	Länge	Diff.	Start	Ende	Start	Ende	Start	Ende
1 <span>▼</span>	07:13 ↘ (114°)	17:50 ↙ (246°)	10:37:18	-0:42	05:52	19:12	06:20	18:44	06:48	18:15
2 <span>▼</span>	07:14 ↘ (114°)	17:51 ↙ (246°)	10:36:37	-0:40	05:52	19:12	06:20	18:44	06:49	18:16
3 <span>▼</span>	07:15 ↘ (114°)	17:51 ↙ (246°)	10:35:59	-0:38	05:53	19:12	06:21	18:44	06:50	18:16
4 <span>▼</span>	07:15 ↘ (115°)	17:51 ↙ (245°)	10:35:22	-0:36	05:54	19:12	06:22	18:44	06:50	18:16
5 <span>▼</span>	07:16 ↘ (115°)	17:51 ↙ (245°)	10:34:47	-0:34	05:54	19:13	06:22	18:45	06:51	18:16

## Mondaufgang, Monduntergang und Mondkalender für Khimsar

2024	Mondaufgang/-untergang			Überquerung des Meridians		
Nov	Mondaufgang	Monduntergang	Mondaufgang	Uhrzeit	Entfernung (km)	Beleuchtung
17	-	08:33 ↖ (300°)	19:03 ↗ (59°)	01:18 (89,9°)	364 853	98,6%
18	-	09:41 ↖ (302°)	20:04 ↗ (58°)	02:21 (87,9°)	369 623	94,4%
19	-	10:41 ↖ (301°)	21:08 ↗ (59°)	03:24 (87,8°)	375 446	87,9%
20	-	11:33 ↖ (299°)	22:11 ↗ (63°)	04:22 (89,6°)	381 750	79,6%
21	-	12:16 ↖ (295°)	23:11 ↗ (68°)	05:16 (87,0°)	387 974	70,2%
22	-	12:53 ↖ (289°)	-	06:05 (82,6°)	393 633	60,3%
🌑 23	00:08 ↗ (73°)	13:25 ↖ (284°)	-	06:50 (77,4°)	398 363	50,2%
24	01:02 → (79°)	13:54 ← (277°)	-	07:31 (71,8°)	401 930	40,4%
25	01:53 → (86°)	14:22 ← (271°)	-	08:10 (65,9°)	404 224	31,0%
26	02:44 → (92°)	14:49 ← (265°)	-	08:49 (60,1°)	405 244	22,5%
27	03:34 → (99°)	15:17 ↙ (258°)	-	09:28 (54,3°)	405 080	15,0%
28	04:26 ↘ (105°)	15:47 ↙ (253°)	-	10:09 (48,9°)	403 891	8,8%
29	05:20 ↘ (110°)	16:20 ↙ (247°)	-	10:53 (43,9°)	401 873	4,1%
30	06:17 ↘ (115°)	16:59 ↙ (243°)	-	11:39 (39,8°)	399 241	1,1%
Dez	Mondaufgang	Monduntergang	Mondaufgang	Uhrzeit	Entfernung (km)	Beleuchtung
🌑 1	07:15 ↘ (119°)	17:43 ↙ (240°)	-	12:30 (36,7°)	396 196	0,2%
2	08:14 ↘ (122°)	18:34 ↙ (238°)	-	13:24 (34,9°)	392 908	1,3%
3	09:11 ↘ (122°)	19:31 ↙ (238°)	-	14:20 (34,8°)	389 503	4,7%
4	10:04 ↘ (121°)	20:32 ↙ (240°)	-	15:17 (36,3°)	386 056	10,3%
5	10:52 ↘ (117°)	21:35 ↙ (244°)	-	16:12 (39,5°)	382 607	17,8%

# Blaue Stunde

Blaue Stunde Tabelle für Indien, Khimsar, Rājasthān (N 26°58.4' - O 73°24.3')								
Datum	Blaue Stunde Beginn	Sonnen-aufgang	Sonnen-untergang	Blaue Stunde Ende	Blaue Stunde Dauer	Mond-aufgang	Mond-untergang	Mond Größe (Fläche)
So 17.11.2024	06:32	06:57 @ 111°	17:46 @ 249°	18:11	25 min	18:54 @ 59°	08:29 @ 300°	108%
Mo 18.11.2024	06:33	06:58 @ 111°	17:46 @ 249°	18:10	25 min	19:55 @ 58°	09:36 @ 302°	106%
Di 19.11.2024	06:34	06:58 @ 111°	17:45 @ 248°	18:10	24 min	20:59 @ 59°	10:37 @ 302°	102%
Mi 20.11.2024	06:34	06:59 @ 112°	17:45 @ 248°	18:10	25 min	22:02 @ 63°	11:28 @ 299°	99%
Do 21.11.2024	06:35	07:00 @ 112°	17:45 @ 248°	18:10	25 min	23:03 @ 67°	12:11 @ 295°	96%
Fr 22.11.2024	06:36	07:01 @ 112°	17:45 @ 248°	18:09	25 min	---	12:48 @ 290°	94%
Sa 23.11.2024	06:36	07:01 @ 112°	17:44 @ 247°	18:09	25 min	00:00 @ 73°	13:20 @ 284°	92%
So 24.11.2024	06:37	07:02 @ 113°	17:44 @ 247°	18:09	25 min	00:54 @ 79°	13:48 @ 278°	90%
Mo 25.11.2024	06:38	07:03 @ 113°	17:44 @ 247°	18:09	25 min	01:46 @ 86°	14:15 @ 271°	89%
Di 26.11.2024	06:39	07:04 @ 113°	17:44 @ 247°	18:09	25 min	02:37 @ 92°	14:42 @ 265°	89%
Mi 27.11.2024	06:39	07:04 @ 113°	17:44 @ 247°	18:09	25 min	03:28 @ 99°	15:09 @ 258°	89%
Do 28.11.2024	06:40	07:05 @ 114°	17:44 @ 246°	18:09	25 min	04:21 @ 105°	15:39 @ 252°	90%
Fr 29.11.2024	06:41	07:06 @ 114°	17:44 @ 246°	18:09	25 min	05:15 @ 111°	16:12 @ 247°	91%
Sa 30.11.2024	06:41	07:07 @ 114°	17:44 @ 246°	18:09	26 min	06:12 @ 116°	16:50 @ 243°	93%
So 01.12.2024	06:42	07:07 @ 114°	17:44 @ 246°	18:09	25 min	07:10 @ 119°	17:34 @ 239°	94%
Mo 02.12.2024	06:43	07:08 @ 114°	17:44 @ 246°	18:09	25 min	08:10 @ 122°	18:25 @ 238°	96%
Di 03.12.2024	06:44	07:09 @ 114°	17:44 @ 246°	18:09	25 min	09:07 @ 122°	19:22 @ 238°	98%
Mi 04.12.2024	06:44	07:09 @ 115°	17:44 @ 245°	18:09	25 min	09:60 @ 121°	20:23 @ 240°	99%
Do 05.12.2024	06:45	07:10 @ 115°	17:44 @ 245°	18:09	25 min	10:48 @ 118°	21:27 @ 244°	101%

**Sternenhimmel um 23.00 Uhr:**

