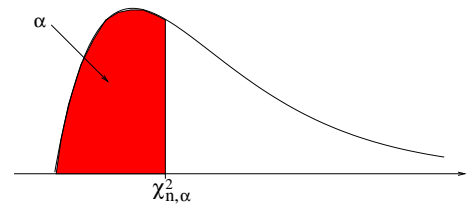


Quantile $\chi_{n,\alpha}^2$ der χ^2 -Verteilung

$\chi_{n,\alpha}^2$ ist der Wert für gegebenes α der Verteilungsfunktion einer χ^2 -Verteilung mit Freiheitsgrad n .

Ablesebeispiel: $\chi_{1,0.05}^2 = -^3 3.93 = 3.93 \cdot 10^{-3} = 0.00393$

$$\chi_n^2(x) = \frac{1}{2^{n/2} \Gamma(\frac{n}{2})} x^{\frac{n}{2}-1} e^{-\frac{x}{2}} \quad \text{Wahrscheinlichkeitsdichte}$$



n	$\alpha = 0.995$	0.990	0.975	0.950	0.900	0.750	0.500	0.250	0.100	0.050	0.025	0.010	0.005
1	7.879	6.635	5.034	3.841	2.706	1.323	0.455	0.102	⁻² 1.58	⁻³ 3.93	⁻⁴ 9.82	⁻⁴ 1.57	⁻⁵ 3.93
2	10.60	9.210	7.378	5.991	4.605	2.773	1.386	0.575	0.211	0.103	⁻² 5.06	⁻² 2.01	⁻² 1.00
3	12.84	11.34	9.348	7.815	6.251	4.108	2.366	1.213	0.584	0.352	0.216	0.115	⁻² 7.17
4	14.86	13.28	11.14	9.488	7.779	5.385	3.357	1.923	1.064	0.711	0.484	0.297	0.207
5	16.75	15.09	12.83	11.07	9.236	6.626	4.351	2.675	1.610	1.145	0.831	0.554	0.412
6	18.55	16.81	14.45	12.59	10.64	7.841	5.348	3.455	2.204	1.635	1.237	0.872	0.676
7	20.28	18.48	16.01	14.07	12.02	9.037	6.346	4.255	2.833	2.167	1.690	1.239	0.989
8	21.96	20.09	17.53	15.51	13.36	10.22	7.344	5.071	3.490	2.733	2.180	1.646	1.344
9	23.59	21.67	19.02	16.92	14.68	11.39	8.343	5.899	4.168	3.325	2.700	2.088	1.735
10	25.19	23.21	20.48	18.31	15.99	12.55	9.342	6.737	4.865	3.940	3.247	2.558	2.156
11	26.76	24.73	21.92	19.68	17.28	13.70	10.34	7.584	5.578	4.575	3.816	3.053	2.603
12	28.30	26.22	23.34	21.03	18.55	14.85	11.34	8.438	6.304	5.226	4.404	3.571	3.074
13	29.82	27.69	24.74	22.36	19.81	15.98	12.34	9.299	7.042	5.892	5.009	4.107	3.565
14	31.32	29.14	26.12	23.68	21.06	17.12	13.34	10.17	7.790	6.571	5.629	4.660	4.075
15	32.80	30.58	27.49	25.00	22.31	18.25	14.34	11.04	8.547	7.261	6.262	5.229	4.601
16	34.27	32.00	28.85	26.30	23.54	19.37	15.34	11.91	9.312	7.962	6.908	5.812	5.142
17	35.72	33.41	30.19	27.59	24.77	20.49	16.34	12.79	10.09	8.672	7.564	6.408	5.697
18	37.16	34.81	31.53	28.87	25.99	21.60	17.34	13.68	10.86	9.390	8.231	7.015	6.265
19	38.58	36.19	32.85	30.14	27.20	22.72	18.34	14.56	11.65	10.12	8.907	7.633	6.844
20	40.00	37.57	34.17	31.41	28.41	23.83	19.34	15.45	12.44	10.85	9.591	8.260	7.434
21	41.40	38.93	35.48	32.67	29.62	24.93	20.34	16.34	13.24	11.59	10.28	8.897	8.034
22	42.80	40.29	36.78	33.92	30.81	26.04	21.34	17.24	14.04	12.34	10.98	9.542	8.643
23	44.18	41.64	38.08	35.17	32.01	27.14	22.34	18.14	14.85	13.09	11.69	10.20	9.260
24	45.56	42.98	39.36	36.42	33.20	28.24	23.34	19.04	15.66	13.85	12.40	10.86	9.886
25	46.93	44.31	40.65	37.65	34.38	29.34	24.34	19.94	16.47	14.61	13.12	11.52	10.52
26	48.29	45.64	41.92	38.89	35.56	30.43	25.34	20.84	17.29	15.38	13.84	12.20	11.16
27	49.65	46.96	43.19	40.11	36.74	31.53	26.34	21.75	18.11	16.15	14.57	12.88	11.81
28	50.99	48.28	44.46	41.34	37.92	32.62	27.34	22.66	18.94	16.93	15.31	13.56	12.46
29	52.34	49.59	45.72	42.56	39.09	33.71	28.34	23.57	19.77	17.71	16.05	14.26	13.12
30	53.67	50.89	46.98	43.77	40.26	34.80	29.34	24.48	20.60	18.49	16.79	14.95	13.79
40	66.77	63.69	59.34	55.76	51.81	45.62	39.34	33.66	29.05	26.51	24.43	22.16	20.71
50	79.49	76.15	71.42	67.50	63.17	56.33	49.33	42.94	37.69	34.76	32.36	29.71	27.99
60	91.95	88.38	83.30	79.08	74.40	66.98	59.33	52.29	46.46	43.19	40.48	37.48	35.53
70	104.2	100.4	95.02	90.53	85.53	77.58	69.33	61.70	55.33	51.74	48.76	45.44	43.28
80	116.3	112.3	106.6	101.9	96.58	88.13	79.33	71.14	64.28	60.39	57.15	53.54	51.17
90	128.3	124.1	118.1	113.1	107.6	98.65	89.33	80.62	73.29	69.13	65.65	61.75	59.20
100	140.2	135.8	129.6	124.3	118.5	109.1	99.33	90.13	82.36	77.93	74.22	70.06	67.33
150	198.4	193.2	185.8	179.6	172.6	161.3	149.3	138.0	128.3	122.7	118.0	112.7	109.1
200	255.3	249.4	241.1	234.0	226.0	213.1	199.3	186.2	174.8	168.3	162.7	156.4	152.2
250	311.3	304.9	295.7	287.9	279.1	264.7	249.3	234.6	221.8	214.4	208.1	200.9	196.2
300	366.8	359.9	349.9	341.4	331.8	316.1	299.3	283.1	269.1	260.9	253.9	246.0	240.7
400	476.6	468.7	457.3	447.6	436.6	418.7	399.3	380.6	364.2	354.6	346.5	337.2	330.9
600	693.0	683.5	669.8	658.1	644.8	623.0	599.3	576.3	556.1	544.2	534.0	522.4	514.5
800	906.8	896.0	880.3	866.9	851.7	826.6	799.3	772.7	749.2	735.4	723.5	709.9	700.7
1000	1119.	1107.	1090.	1075.	1058.	1030.	999.3	969.5	943.1	927.6	914.3	898.9	888.6