

Hyperfocal Distance Charts for 35mm Cameras

Hyperfocal Distance = focal length² / (aperture x diameter or circle of least confusion)

CoC 0.03

Hyperfocal Point in Feet from Shooter

	Focal Length in mm									
	15 mm	17 mm	20 mm	24 mm	28 mm	35 mm	50 mm	100 mm	150 mm	200 mm
f 2.8	8.79	11.29	15.62	22.50	30.62	47.85	97.64	390.58	878.80	1562.30
f 5.6	4.39	5.64	7.81	11.25	15.31	23.92	48.82	195.29	439.40	781.15
f 8	3.08	3.95	5.47	7.87	10.72	16.75	34.18	136.70	307.58	546.81
f 11	2.24	2.87	3.98	5.73	7.79	12.18	24.85	99.42	223.69	397.68
f 16	1.54	1.98	2.73	3.94	5.36	8.37	17.09	68.35	153.79	273.40
f 22	1.12	1.44	1.99	2.86	3.90	6.09	12.43	49.71	111.85	198.84
f 36	0.68	0.88	1.22	1.75	2.38	3.72	7.59	30.38	68.35	121.51

Hyperfocal Point in Meters from Shooter

	Focal Length in mm									
	15 mm	17 mm	20 mm	24 mm	28 mm	35 mm	50 mm	100 mm	150 mm	200 mm
f 2.8	2.68	3.44	4.76	6.86	9.33	14.58	29.76	119.05	267.86	476.19
f 5.6	1.34	1.72	2.38	3.43	4.67	7.29	14.88	59.52	133.93	238.10
f 8	0.94	1.20	1.67	2.40	3.27	5.10	10.42	41.67	93.75	166.67
f 11	0.68	0.88	1.21	1.75	2.38	3.71	7.58	30.30	68.18	121.21
f 16	0.47	0.60	0.83	1.20	1.63	2.55	5.21	20.83	46.88	83.33
f 22	0.34	0.44	0.61	0.87	1.19	1.86	3.79	15.15	34.09	60.61
f 36	0.21	0.27	0.37	0.53	0.73	1.13	2.31	9.26	20.83	37.04

Hyperfocal Distance Chart for 4x5 Format Cameras

Hyperfocal Distance = focal length² / (aperture x diameter or circle of least confusion)

CoC 0.15

Hyperfocal Point in Feet from Shooter

	Focal Length in mm									
	15 mm	17 mm	20 mm	24 mm	28 mm	35 mm	50 mm	100 mm	150 mm	200 mm
f 2.8	1.76	2.26	3.12	4.50	6.12	9.57	19.53	78.12	175.76	312.46
f 5.6	0.88	1.13	1.56	2.25	3.06	4.78	9.76	39.06	87.88	156.23
f 8	0.62	0.79	1.09	1.57	2.14	3.35	6.84	27.34	61.52	109.36
f 11	0.45	0.57	0.80	1.15	1.56	2.44	4.97	19.88	44.74	79.54
f 16	0.31	0.40	0.55	0.79	1.07	1.67	3.42	13.67	30.76	54.68
f 22	0.22	0.29	0.40	0.57	0.78	1.22	2.49	9.94	22.37	39.77
f 36	0.14	0.18	0.24	0.35	0.48	0.74	1.52	6.08	13.67	24.30

Hyperfocal Point in Meters from Shooter

	Focal Length in mm									
	15 mm	17 mm	20 mm	24 mm	28 mm	35 mm	50 mm	100 mm	150 mm	200 mm
f 2.8	0.54	0.69	0.95	1.37	1.87	2.92	5.95	23.81	53.57	95.24
f 5.6	0.27	0.34	0.48	0.69	0.93	1.46	2.98	11.90	26.79	47.62
f 8	0.19	0.24	0.33	0.48	0.65	1.02	2.08	8.33	18.75	33.33
f 11	0.14	0.18	0.24	0.35	0.48	0.74	1.52	6.06	13.64	24.24
f 16	0.09	0.12	0.17	0.24	0.33	0.51	1.04	4.17	9.38	16.67
f 22	0.07	0.09	0.12	0.17	0.24	0.37	0.76	3.03	6.82	12.12
f 36	0.04	0.05	0.07	0.11	0.15	0.23	0.46	1.85	4.17	7.41

Hyperfocal Distance Chart for 6x6 Format Cameras

Hyperfocal Distance = focal length² / (aperture x diameter or circle of least confusion)

CoC 0.06

Hyperfocal Point in Feet from Shooter

	Focal Length in mm									
	15 mm	17 mm	20 mm	24 mm	28 mm	35 mm	50 mm	100 mm	150 mm	200 mm
f 2.8	4.39	5.64	7.81	11.25	15.31	23.92	48.82	195.29	439.40	781.15
f 5.6	2.20	2.82	3.91	5.62	7.66	11.96	24.41	97.64	219.70	390.58
f 8	1.54	1.98	2.73	3.94	5.36	8.37	17.09	68.35	153.79	273.40
f 11	1.12	1.44	1.99	2.86	3.90	6.09	12.43	49.71	111.85	198.84
f 16	0.77	0.99	1.37	1.97	2.68	4.19	8.54	34.18	76.89	136.70
f 22	0.56	0.72	0.99	1.43	1.95	3.04	6.21	24.85	55.92	99.42
f 36	0.34	0.44	0.61	0.87	1.19	1.86	3.80	15.19	34.18	60.76

Hyperfocal Point in Meters from Shooter

	Focal Length in mm									
	15 mm	17 mm	20 mm	24 mm	28 mm	35 mm	50 mm	100 mm	150 mm	200 mm
f 2.8	1.34	1.72	2.38	3.43	4.67	7.29	14.88	59.52	133.93	238.10
f 5.6	0.67	0.86	1.19	1.71	2.33	3.65	7.44	29.76	66.96	119.05
f 8	0.47	0.60	0.83	1.20	1.63	2.55	5.21	20.83	46.88	83.33
f 11	0.34	0.44	0.61	0.87	1.19	1.86	3.79	15.15	34.09	60.61
f 16	0.23	0.30	0.42	0.60	0.82	1.28	2.60	10.42	23.44	41.67
f 22	0.17	0.22	0.30	0.44	0.59	0.93	1.89	7.58	17.05	30.30
f 36	0.10	0.13	0.19	0.27	0.36	0.57	1.16	4.63	10.42	18.52

Hyperfocal Distance Charts for Digital SLR Cameras

This chart works for Canon D30 & D60 models, Nikon D100, D1H, & D1X models
Canon 1Ds and Kodak 14n owners should use the 35mm chart as they have full frame chips

Hyperfocal Distance = focal length² / (aperture x diameter or circle of least confusion)

CoC 0.02

Hyperfocal Point in Feet from Shooter

	Focal Length in mm									
	15 mm	17 mm	20 mm	24 mm	28 mm	35 mm	50 mm	100 mm	150 mm	200 mm
f 2.8	13.18	16.93	23.43	33.75	45.93	71.77	146.47	585.86	1318.19	2343.46
f 5.6	6.59	8.47	11.72	16.87	22.97	35.88	73.23	292.93	659.10	1171.73
f 8	4.61	5.93	8.20	11.81	16.08	25.12	51.26	205.05	461.37	820.21
f 11	3.36	4.31	5.97	8.59	11.69	18.27	37.28	149.13	335.54	596.52
f 16	2.31	2.96	4.10	5.91	8.04	12.56	25.63	102.53	230.68	410.11
f 22	1.68	2.15	2.98	4.29	5.85	9.13	18.64	74.56	167.77	298.26
f 36	1.03	1.32	1.82	2.62	3.57	5.58	11.39	45.57	102.53	182.27

Hyperfocal Point in Meters from Shooter

	Focal Length in mm									
	15 mm	17 mm	20 mm	24 mm	28 mm	35 mm	50 mm	100 mm	150 mm	200 mm
f 2.8	4.02	5.16	7.14	10.29	14.00	21.88	44.64	178.57	401.79	714.29
f 5.6	2.01	2.58	3.57	5.14	7.00	10.94	22.32	89.29	200.89	357.14
f 8	1.41	1.81	2.50	3.60	4.90	7.66	15.63	62.50	140.63	250.00
f 11	1.02	1.31	1.82	2.62	3.56	5.57	11.36	45.45	102.27	181.82
f 16	0.70	0.90	1.25	1.80	2.45	3.83	7.81	31.25	70.31	125.00
f 22	0.51	0.66	0.91	1.31	1.78	2.78	5.68	22.73	51.14	90.91
f 36	0.31	0.40	0.56	0.80	1.09	1.70	3.47	13.89	31.25	55.56

Courtesy Vivid Light Photography Magazine

www.vividlight.com