

RESOLUTION CHART

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This chart shows the file size in megabytes of a TIFF image in 8 bit color RGB at specific sizes and at specific PPIs (pixels per inch).
 Notice how a doubling of PPI makes a file four times larger (highlighted area).

FILE DIMENSIONS	100PPI	150PPI	200PPI	230PPI	269PPI	320PPI	400PPI	650PPI	RES 30 762PPI	RES 40 1016PPI	RES 50 1270PPI	RES 80 2032PPI
35mm (24mmx35mm)	40k	89k	157k	208k	284k	402k	628k	1.815	2.49	4.4325	6.9225	17.7
6cm x 4.5cm	123k	276k	490k	648k	870k	1.23	1.92	5.0625	6.9525	12.375	19.35	49.425
6cm x 6cm (2.25" sq.)	164k	368k	653k	847.5k	1.1625	1.635	2.5575	6.7425	9.3	16.5	25.725	65.925
6cm x 7cm	191k	429k	762k	982.5k	1.3575	1.905	2.9775	7.875	10.8	19.2	30.075	76.875
6cm x 9cm	245k	551k	960k	1.2675	1.7475	2.4525	3.8325	10.125	13.875	24.75	38.625	98.85
4" x 5"	586k	1.29	2.2875	3.03	4.17	5.8575	9.15	24.15	33.225	59.1	92.325	236.25
5" x 7"	1.005	2.25	4.005	5.295	7.2975	10.275	16.05	42.3	58.125	103.35	161.55	413.475
8" x 10"	2.2875	5.1525	9.15	12.075	16.725	23.475	36.6	96.675	132.9	236.25	369.15	945.075
8.5" x 11"	2.6775	6.0225	10.725	14.175	19.5	27.375	42.825	113.025	155.325	276.15	431.475	1104.525
11" x 14"	4.41	9.9	17.625	23.325	32.1	45.15	70.5	186.15	255.825	454.8	710.625	NA
11" x 17"	5.3475	12.075	21.375	28.275	39	54.825	85.575	226.05	310.65	552.3	862.95	NA
14" x 18"	7.2075	16.2	28.875	38.175	52.575	73.8	115.35	304.65	418.65	744.225	1196.1	NA
16" x 20"	9.15	20.625	36.6	48.45	66.75	93.75	146.475	386.85	531.6	945.075	1418.1	NA
20" x 24"	13.725	30.9	54.9	72.675	100.125	140.625	219.75	580.2	797.4	1418.1	2127.15	NA
24" x 30"	20.625	46.35	82.425	108.975	150.15	210.975	329.625	870.3	1196.1	2127.15	3190.725	NA
30" x 40"	34.35	77.25	137.325	181.65	250.275	351.6	549.3	#####	NA	NA	NA	NA
36" x 48"	49.425	111.225	197.775	261.525	360.375	506.25	NA	NA	NA	NA	NA	NA
40" x 60"	68.7	154.5	274.65	363.225	500.55	703.125	NA	NA	NA	NA	NA	NA
48" x 96"	131.85	296.625	527.325	697.425	961.125	NA	NA	NA	NA	NA	NA	NA

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