

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

	Hex(FF87C4)	Hex(E16CA9)	Hex(C4518E)	Hex(A73575)	Hex(8B155C)	Hex(6F0044)	Hex(54002E)	Hex(3B001A)	Hex(1C0001)	Hex(000000)
Hex(FF87C4)		Ratio: 1.38 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 6.72 AA ¹ AAA 18pt ⁴	Ratio: 7.92 Passed ⁶	Ratio: 9.06 Passed ⁶	Ratio: 9.51 Passed ⁶
Hex(E16CA9)	Ratio: 1.38 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 5.76 AA ¹ AAA 18pt ⁴	Ratio: 6.59 AA ¹ AAA 18pt ⁴	Ratio: 6.92 AA ¹ AAA 18pt ⁴
Hex(C4518E)	Ratio: 1.94 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 4.09 AA 18pt ²	Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 4.91 AA ¹ AAA 18pt ⁴
Hex(A73575)	Ratio: 2.79 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.25 AA 18pt ²	Ratio: 3.41 AA 18pt ²
Hex(8B155C)	Ratio: 4.03 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.36 Failed ⁵
Hex(6F0044)	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 3.93 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(54002E)	Ratio: 6.72 AA ¹ AAA 18pt ⁴	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 3.47 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.42 Failed ⁵
Hex(3B001A)	Ratio: 7.92 Passed ⁶	Ratio: 5.76 AA ¹ AAA 18pt ⁴	Ratio: 4.09 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.20 Failed ⁵
Hex(1C0001)	Ratio: 9.06 Passed ⁶	Ratio: 6.59 AA ¹ AAA 18pt ⁴	Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 3.25 AA 18pt ²	Ratio: 2.25 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(000000)	Ratio: 9.51 Passed ⁶	Ratio: 6.92 AA ¹ AAA 18pt ⁴	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 3.41 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.05 Failed ⁵	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

¹ AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

² AA 18pt

AA level for large text above 18pt.

³ AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

⁴ AAA 18pt

AAA level for large text above 18pt.

⁵ Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

⁶ Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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