

Converting Colors - WCAG Matrix

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

	Hex(F8D91)	Hex(E17277)	Hex(C3585F)	Hex(A53E47)	Hex(882331)	Hex(6C001C)	Hex(500002)	Hex(370001)	Hex(0D0000)	Hex(000000)
Hex(F8D91)		Ratio: 1.38 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.06 Passed ⁶	Ratio: 8.14 Passed ⁶	Ratio: 9.31 Passed ⁶	Ratio: 9.47 Passed ⁶
Hex(E17277)	Ratio: 1.38 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 5.91 AA ¹ AAA 18pt ⁴	Ratio: 6.76 AA ¹ AAA 18pt ⁴	Ratio: 6.87 AA ¹ AAA 18pt ⁴
Hex(C3585F)	Ratio: 1.94 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.64 AA 18pt ²	Ratio: 4.20 AA 18pt ²	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 4.88 AA ¹ AAA 18pt ⁴
Hex(A53E47)	Ratio: 2.80 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.32 AA 18pt ²	Ratio: 3.38 AA 18pt ²
Hex(882331)	Ratio: 4.06 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.33 Failed ⁵
Hex(6C001C)	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.65 Failed ⁵
Hex(500002)	Ratio: 7.06 Passed ⁶	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 3.64 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.34 Failed ⁵
Hex(370001)	Ratio: 8.14 Passed ⁶	Ratio: 5.91 AA ¹ AAA 18pt ⁴	Ratio: 4.20 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.16 Failed ⁵
Hex(0D0000)	Ratio: 9.31 Passed ⁶	Ratio: 6.76 AA ¹ AAA 18pt ⁴	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 3.32 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 9.47 Passed ⁶	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 4.88 AA ¹ AAA 18pt ⁴	Ratio: 3.38 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.02 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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