

Converting Colors - WCAG Matrix

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

	Hex(84FAE1)	Hex(66DDC5)	Hex(47C1AA)	Hex(21A58F)	Hex(008B76)	Hex(00715D)	Hex(005746)	Hex(003F2F)	Hex(00291B)	Hex(000800)
Hex(84FAE1)		Ratio: 1.32 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 3.38 AA 18pt ²	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 6.83 AA ¹ AAA 18pt ⁴	Ratio: 9.56 Passed ⁶	Ratio: 12.56 Passed ⁶	Ratio: 16.18 Passed ⁶
Hex(66DDC5)	Ratio: 1.32 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 3.61 AA 18pt ²	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 7.26 Passed ⁶	Ratio: 9.54 Passed ⁶	Ratio: 12.29 Passed ⁶
Hex(47C1AA)	Ratio: 1.77 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 7.11 Passed ⁶	Ratio: 9.16 Passed ⁶
Hex(21A58F)	Ratio: 2.45 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 6.61 AA ¹ AAA 18pt ⁴
Hex(008B76)	Ratio: 3.38 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.72 AA 18pt ²	Ratio: 4.79 AA ¹ AAA 18pt ⁴
Hex(00715D)	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 3.61 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.40 AA 18pt ²
Hex(005746)	Ratio: 6.83 AA ¹ AAA 18pt ⁴	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 3.87 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.37 Failed ⁵
Hex(003F2F)	Ratio: 9.56 Passed ⁶	Ratio: 7.26 Passed ⁶	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(00291B)	Ratio: 12.56 Passed ⁶	Ratio: 9.54 Passed ⁶	Ratio: 7.11 Passed ⁶	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 3.72 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.29 Failed ⁵
Hex(000800)	Ratio: 16.18 Passed ⁶	Ratio: 12.29 Passed ⁶	Ratio: 9.16 Passed ⁶	Ratio: 6.61 AA ¹ AAA 18pt ⁴	Ratio: 4.79 AA ¹ AAA 18pt ⁴	Ratio: 3.40 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.29 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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