

Converting Colors - WCAG Matrix

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

	Hex(DCA2A7)	Hex(C0888D)	Hex(A46E73)	Hex(89555B)	Hex(6F3D43)	Hex(55272D)	Hex(3C1119)	Hex(280000)	Hex(000000)
Hex(DCA2A7)		Ratio: 1.37 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 7.59 Passed ⁶	Ratio: 8.96 Passed ⁶	Ratio: 9.77 Passed ⁶
Hex(C0888D)	Ratio: 1.37 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 6.56 AA ¹ AAA 18pt ⁴	Ratio: 7.15 Passed ⁶
Hex(A46E73)	Ratio: 1.93 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 5.06 AA ¹ AAA 18pt ⁴
Hex(89555B)	Ratio: 2.78 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.22 AA 18pt ²	Ratio: 3.51 AA 18pt ²
Hex(6F3D43)	Ratio: 4.03 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.42 Failed ⁵
Hex(55272D)	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 4.17 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.71 Failed ⁵
Hex(3C1119)	Ratio: 7.59 Passed ⁶	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 3.93 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(280000)	Ratio: 8.96 Passed ⁶	Ratio: 6.56 AA ¹ AAA 18pt ⁴	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 3.22 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.09 Failed ⁵
Hex(000000)	Ratio: 9.77 Passed ⁶	Ratio: 7.15 Passed ⁶	Ratio: 5.06 AA ¹ AAA 18pt ⁴	Ratio: 3.51 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.09 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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