

Converting Colors - WCAG Matrix

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

	Hex(FFB4A0)	Hex(F09986)	Hex(D37F6C)	Hex(B66554)	Hex(994C3D)	Hex(7D3427)	Hex(611C12)	Hex(460200)	Hex(2E0000)	Hex(000000)
Hex(FFB4A0)		Ratio: 1.28 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 3.56 AA 18pt ²	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 7.30 Passed ⁶	Ratio: 9.68 Passed ⁶	Ratio: 11.01 Passed ⁶	Ratio: 12.29 Passed ⁶
Hex(F09986)	Ratio: 1.28 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 4.02 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.57 Passed ⁶	Ratio: 8.61 Passed ⁶	Ratio: 9.61 Passed ⁶
Hex(D37F6C)	Ratio: 1.75 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 6.29 AA ¹ AAA 18pt ⁴	Ratio: 7.02 Passed ⁶
Hex(B66554)	Ratio: 2.47 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 4.46 AA 18pt ²	Ratio: 4.98 AA ¹ AAA 18pt ⁴
Hex(994C3D)	Ratio: 3.56 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.10 AA 18pt ²	Ratio: 3.46 AA 18pt ²
Hex(7D3427)	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 4.02 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.39 Failed ⁵
Hex(611C12)	Ratio: 7.30 Passed ⁶	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 4.17 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(460200)	Ratio: 9.68 Passed ⁶	Ratio: 7.57 Passed ⁶	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 3.92 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(2E0000)	Ratio: 11.01 Passed ⁶	Ratio: 8.61 Passed ⁶	Ratio: 6.29 AA ¹ AAA 18pt ⁴	Ratio: 4.46 AA 18pt ²	Ratio: 3.10 AA 18pt ²	Ratio: 2.14 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.12 Failed ⁵
Hex(000000)	Ratio: 12.29 Passed ⁶	Ratio: 9.61 Passed ⁶	Ratio: 7.02 Passed ⁶	Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 3.46 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.12 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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