

Converting Colors - WCAG Matrix

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

	Hex(FFB086)	Hex(E1956C)	Hex(C37B54)	Hex(A6623C)	Hex(8A4925)	Hex(6E320F)	Hex(531B00)	Hex(380500)	Hex(1F0001)	Hex(000000)
Hex(FFB086)		Ratio: 1.35 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 7.74 Passed ⁶	Ratio: 9.92 Passed ⁶	Ratio: 11.15 Passed ⁶	Ratio: 11.81 Passed ⁶
Hex(E1956C)	Ratio: 1.35 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.33 Passed ⁶	Ratio: 8.23 Passed ⁶	Ratio: 8.72 Passed ⁶
Hex(C37B54)	Ratio: 1.88 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 5.93 AA ¹ AAA 18pt ⁴	Ratio: 6.28 AA ¹ AAA 18pt ⁴
Hex(A6623C)	Ratio: 2.66 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 4.19 AA 18pt ²	Ratio: 4.43 AA 18pt ²
Hex(8A4925)	Ratio: 3.86 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.06 AA 18pt ²
Hex(6E320F)	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.13 Failed ⁵
Hex(531B00)	Ratio: 7.74 Passed ⁶	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.52 Failed ⁵
Hex(380500)	Ratio: 9.92 Passed ⁶	Ratio: 7.33 Passed ⁶	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 3.73 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(1F0001)	Ratio: 11.15 Passed ⁶	Ratio: 8.23 Passed ⁶	Ratio: 5.93 AA ¹ AAA 18pt ⁴	Ratio: 4.19 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(000000)	Ratio: 11.81 Passed ⁶	Ratio: 8.72 Passed ⁶	Ratio: 6.28 AA ¹ AAA 18pt ⁴	Ratio: 4.43 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.13 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.06 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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