

Converting Colors - WCAG Matrix

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

	Hex(FFD5C4)	Hex(FFB9A9)	Hex(FF9D8E)	Hex(F28274)	Hex(D4685C)	Hex(B64E44)	Hex(98342E)	Hex(7B1919)	Hex(5F0000)	Hex(420000)
Hex(FFD5C4)		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 7.80 Passed ⁶	Ratio: 10.47 Passed ⁶	Ratio: 12.64 Passed ⁶
Hex(FFB9A9)	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 3.07 AA 18pt ²	Ratio: 4.45 AA 18pt ²	Ratio: 6.40 AA ¹ AAA 18pt ⁴	Ratio: 8.59 Passed ⁶	Ratio: 10.36 Passed ⁶
Hex(FF9D8E)	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 7.04 Passed ⁶	Ratio: 8.50 Passed ⁶
Hex(F28274)	Ratio: 1.89 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 6.67 AA ¹ AAA 18pt ⁴
Hex(D4685C)	Ratio: 2.62 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 4.82 AA ¹ AAA 18pt ⁴
Hex(B64E44)	Ratio: 3.74 AA 18pt ²	Ratio: 3.07 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.38 AA 18pt ²
Hex(98342E)	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 4.45 AA 18pt ²	Ratio: 3.65 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.33 Failed ⁵
Hex(7B1919)	Ratio: 7.80 Passed ⁶	Ratio: 6.40 AA ¹ AAA 18pt ⁴	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(5F0000)	Ratio: 10.47 Passed ⁶	Ratio: 8.59 Passed ⁶	Ratio: 7.04 Passed ⁶	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 3.99 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(420000)	Ratio: 12.64 Passed ⁶	Ratio: 10.36 Passed ⁶	Ratio: 8.50 Passed ⁶	Ratio: 6.67 AA ¹ AAA 18pt ⁴	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 3.38 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.21 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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