

Converting Colors - WCAG Matrix

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

	Hex(CAD9C5)	Hex(afbdaa)	Hex(94A28F)	Hex(7B8876)	Hex(626E5D)	Hex(4A5646)	Hex(333F2F)	Hex(1E291A)	Hex(061500)	Hex(000000)
Hex(CAD9C5)		Ratio: 1.33 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 3.64 AA 18pt ²	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 7.52 Passed ⁶	Ratio: 10.27 Passed ⁶	Ratio: 12.77 Passed ⁶	Ratio: 14.24 Passed ⁶
Hex(afbdaa)	Ratio: 1.33 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 7.70 Passed ⁶	Ratio: 9.58 Passed ⁶	Ratio: 10.68 Passed ⁶
Hex(94A28F)	Ratio: 1.82 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 7.02 Passed ⁶	Ratio: 7.82 Passed ⁶
Hex(7B8876)	Ratio: 2.53 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 5.63 AA ¹ AAA 18pt ⁴
Hex(626E5D)	Ratio: 3.64 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.50 AA 18pt ²	Ratio: 3.91 AA 18pt ²
Hex(4A5646)	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 3.94 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.71 Failed ⁵
Hex(333F2F)	Ratio: 7.52 Passed ⁶	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.89 Failed ⁵
Hex(1E291A)	Ratio: 10.27 Passed ⁶	Ratio: 7.70 Passed ⁶	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 4.06 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.39 Failed ⁵
Hex(061500)	Ratio: 12.77 Passed ⁶	Ratio: 9.58 Passed ⁶	Ratio: 7.02 Passed ⁶	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 3.50 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.11 Failed ⁵
Hex(000000)	Ratio: 14.24 Passed ⁶	Ratio: 10.68 Passed ⁶	Ratio: 7.82 Passed ⁶	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.11 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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