

Converting Colors - WCAG Matrix

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

	Hex(BED4AE)	Hex(A3B893)	Hex(899D79)	Hex(6F8360)	Hex(576A48)	Hex(3F5232)	Hex(283A1C)	Hex(142504)	Hex(000F00)	Hex(000000)
Hex(BED4AE)		Ratio: 1.34 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.71 AA 18pt ²	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶	Ratio: 10.20 Passed ⁶	Ratio: 12.37 Passed ⁶	Ratio: 13.22 Passed ⁶
Hex(A3B893)	Ratio: 1.34 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 7.59 Passed ⁶	Ratio: 9.21 Passed ⁶	Ratio: 9.83 Passed ⁶
Hex(899D79)	Ratio: 1.85 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 4.18 AA 18pt ²	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 6.70 AA ¹ AAA 18pt ⁴	Ratio: 7.16 Passed ⁶
Hex(6F8360)	Ratio: 2.60 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 5.09 AA ¹ AAA 18pt ⁴
Hex(576A48)	Ratio: 3.71 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.33 AA 18pt ²	Ratio: 3.56 AA 18pt ²
Hex(3F5232)	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 3.99 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.46 Failed ⁵
Hex(283A1C)	Ratio: 7.72 Passed ⁶	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 4.18 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.71 Failed ⁵
Hex(142504)	Ratio: 10.20 Passed ⁶	Ratio: 7.59 Passed ⁶	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 3.93 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.30 Failed ⁵
Hex(000F00)	Ratio: 12.37 Passed ⁶	Ratio: 9.21 Passed ⁶	Ratio: 6.70 AA ¹ AAA 18pt ⁴	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 3.33 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.07 Failed ⁵
Hex(000000)	Ratio: 13.22 Passed ⁶	Ratio: 9.83 Passed ⁶	Ratio: 7.16 Passed ⁶	Ratio: 5.09 AA ¹ AAA 18pt ⁴	Ratio: 3.56 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.07 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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