

Converting Colors - WCAG Matrix

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

	Hex(BEDED6)	Hex(A3C2BA)	Hex(88A79F)	Hex(6F8C85)	Hex(56736C)	Hex(3E5A54)	Hex(27433D)	Hex(112C27)	Hex(001912)	Hex(000000)
Hex(BEDED6)		Ratio: 1.33 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 3.59 AA 18pt ²	Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 7.47 Passed ⁶	Ratio: 10.34 Passed ⁶	Ratio: 12.73 Passed ⁶	Ratio: 14.61 Passed ⁶
Hex(A3C2BA)	Ratio: 1.33 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 7.77 Passed ⁶	Ratio: 9.57 Passed ⁶	Ratio: 10.98 Passed ⁶
Hex(88A79F)	Ratio: 1.81 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.04 Passed ⁶	Ratio: 8.07 Passed ⁶
Hex(6F8C85)	Ratio: 2.53 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 5.02 AA ¹ AAA 18pt ⁴	Ratio: 5.77 AA ¹ AAA 18pt ⁴
Hex(56736C)	Ratio: 3.59 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.54 AA 18pt ²	Ratio: 4.06 AA 18pt ²
Hex(3E5A54)	Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 3.93 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.80 Failed ⁵
Hex(27433D)	Ratio: 7.47 Passed ⁶	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.96 Failed ⁵
Hex(112C27)	Ratio: 10.34 Passed ⁶	Ratio: 7.77 Passed ⁶	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(001912)	Ratio: 12.73 Passed ⁶	Ratio: 9.57 Passed ⁶	Ratio: 7.04 Passed ⁶	Ratio: 5.02 AA ¹ AAA 18pt ⁴	Ratio: 3.54 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.15 Failed ⁵
Hex(000000)	Ratio: 14.61 Passed ⁶	Ratio: 10.98 Passed ⁶	Ratio: 8.07 Passed ⁶	Ratio: 5.77 AA ¹ AAA 18pt ⁴	Ratio: 4.06 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.15 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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