

Converting Colors - WCAG Matrix

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

	Hex(00330F)	Hex(1C4A24)	Hex(33613B)	Hex(4D7A52)	Hex(66946B)	Hex(80B082)	Hex(99CC9E)	Hex(B5E8BA)	Hex(D1FFD4)	Hex(EDFFF2)
Hex(00330F)		Ratio: 1.39 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.76 Passed ⁶	Ratio: 10.28 Passed ⁶	Ratio: 12.81 Passed ⁶	Ratio: 13.64 Passed ⁶
Hex(1C4A24)	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 7.41 Passed ⁶	Ratio: 9.23 Passed ⁶	Ratio: 9.83 Passed ⁶
Hex(33613B)	Ratio: 1.97 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 6.51 AA ¹ AAA 18pt ⁴	Ratio: 6.93 AA ¹ AAA 18pt ⁴
Hex(4D7A52)	Ratio: 2.85 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 4.49 AA 18pt ²	Ratio: 4.78 AA ¹ AAA 18pt ⁴
Hex(66946B)	Ratio: 4.06 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 3.15 AA 18pt ²	Ratio: 3.36 AA 18pt ²
Hex(80B082)	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 4.11 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.39 Failed ⁵
Hex(99CC9E)	Ratio: 7.76 Passed ⁶	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 3.94 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(B5E8BA)	Ratio: 10.28 Passed ⁶	Ratio: 7.41 Passed ⁶	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 3.60 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.33 Failed ⁵
Hex(D1FFD4)	Ratio: 12.81 Passed ⁶	Ratio: 9.23 Passed ⁶	Ratio: 6.51 AA ¹ AAA 18pt ⁴	Ratio: 4.49 AA 18pt ²	Ratio: 3.15 AA 18pt ²	Ratio: 2.24 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(EDFFF2)	Ratio: 13.64 Passed ⁶	Ratio: 9.83 Passed ⁶	Ratio: 6.93 AA ¹ AAA 18pt ⁴	Ratio: 4.78 AA ¹ AAA 18pt ⁴	Ratio: 3.36 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.33 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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