

Converting Colors - WCAG Matrix

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

	Hex(33FFCC)	Hex(00E3B0)	Hex(00C496)	Hex(00A87D)	Hex(008F63)	Hex(00734A)	Hex(005933)	Hex(00401F)	Hex(002908)	Hex(000000)
Hex(33FFCC)		Ratio: 1.29 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 3.19 AA 18pt ²	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 6.59 AA ¹ AAA 18pt ⁴	Ratio: 9.31 Passed ⁶	Ratio: 12.36 Passed ⁶	Ratio: 16.32 Passed ⁶
Hex(00E3B0)	Ratio: 1.29 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 3.55 AA 18pt ²	Ratio: 5.09 AA ¹ AAA 18pt ⁴	Ratio: 7.20 Passed ⁶	Ratio: 9.55 Passed ⁶	Ratio: 12.61 Passed ⁶
Hex(00C496)	Ratio: 1.75 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.77 AA 18pt ²	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 7.07 Passed ⁶	Ratio: 9.34 Passed ⁶
Hex(00A87D)	Ratio: 2.37 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 6.90 AA ¹ AAA 18pt ⁴
Hex(008F63)	Ratio: 3.19 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 5.11 AA ¹ AAA 18pt ⁴
Hex(00734A)	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 3.55 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.55 AA 18pt ²
Hex(005933)	Ratio: 6.59 AA ¹ AAA 18pt ⁴	Ratio: 5.09 AA ¹ AAA 18pt ⁴	Ratio: 3.77 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.48 Failed ⁵
Hex(00401F)	Ratio: 9.31 Passed ⁶	Ratio: 7.20 Passed ⁶	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 3.93 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.75 Failed ⁵
Hex(002908)	Ratio: 12.36 Passed ⁶	Ratio: 9.55 Passed ⁶	Ratio: 7.07 Passed ⁶	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 3.87 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.32 Failed ⁵
Hex(000000)	Ratio: 16.32 Passed ⁶	Ratio: 12.61 Passed ⁶	Ratio: 9.34 Passed ⁶	Ratio: 6.90 AA ¹ AAA 18pt ⁴	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 3.55 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.32 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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