

Converting Colors - WCAG Matrix

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

	Hex(DEFFFF)	Hex(C2E3E3)	Hex(A7C7C7)	Hex(8CACAC)	Hex(729191)	Hex(597778)	Hex(415F5F)	Hex(2A4747)	Hex(133131)	Hex(001C1C)
Hex(DEFFFF)		Ratio: 1.29 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 3.22 AA 18pt ²	Ratio: 4.58 AA ¹ AAA 18pt ⁴	Ratio: 6.56 AA ¹ AAA 18pt ⁴	Ratio: 9.50 Passed ⁶	Ratio: 13.14 Passed ⁶	Ratio: 16.79 Passed ⁶
Hex(C2E3E3)	Ratio: 1.29 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 3.55 AA 18pt ²	Ratio: 5.08 AA ¹ AAA 18pt ⁴	Ratio: 7.36 Passed ⁶	Ratio: 10.18 Passed ⁶	Ratio: 13.01 Passed ⁶
Hex(A7C7C7)	Ratio: 1.71 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 7.70 Passed ⁶	Ratio: 9.84 Passed ⁶
Hex(8CACAC)	Ratio: 2.31 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 7.28 Passed ⁶
Hex(729191)	Ratio: 3.22 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.22 AA ¹ AAA 18pt ⁴
Hex(597778)	Ratio: 4.58 AA ¹ AAA 18pt ⁴	Ratio: 3.55 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.66 AA 18pt ²
Hex(415F5F)	Ratio: 6.56 AA ¹ AAA 18pt ⁴	Ratio: 5.08 AA ¹ AAA 18pt ⁴	Ratio: 3.84 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.56 Failed ⁵
Hex(2A4747)	Ratio: 9.50 Passed ⁶	Ratio: 7.36 Passed ⁶	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.77 Failed ⁵
Hex(133131)	Ratio: 13.14 Passed ⁶	Ratio: 10.18 Passed ⁶	Ratio: 7.70 Passed ⁶	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 4.09 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.28 Failed ⁵
Hex(001C1C)	Ratio: 16.79 Passed ⁶	Ratio: 13.01 Passed ⁶	Ratio: 9.84 Passed ⁶	Ratio: 7.28 Passed ⁶	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 3.66 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.28 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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