

Converting Colors - WCAG Matrix

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

	Hex(4343CC)	Hex(5858CC)	Hex(6C6CCC)	Hex(8181CC)	Hex(9595CC)	Hex(A9A9CC)	Hex(BEBECC)	Hex(D2D2CC)	Hex(E7E7CC)	Hex(FBFBCC)
Hex(4343CC)		Ratio: 1.26 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.17 AA 18pt ²	Ratio: 3.92 AA 18pt ²	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 6.79 AA ¹ AAA 18pt ⁴
Hex(5858CC)	Ratio: 1.26 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.10 AA 18pt ²	Ratio: 3.76 AA 18pt ²	Ratio: 4.53 AA ¹ AAA 18pt ⁴	Ratio: 5.37 AA ¹ AAA 18pt ⁴
Hex(6C6CCC)	Ratio: 1.60 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 3.59 AA 18pt ²	Ratio: 4.25 AA 18pt ²
Hex(8181CC)	Ratio: 2.04 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.33 AA 18pt ²
Hex(9595CC)	Ratio: 2.56 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.65 Failed ⁵
Hex(A9A9CC)	Ratio: 3.17 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.14 Failed ⁵
Hex(BEBECC)	Ratio: 3.92 AA 18pt ²	Ratio: 3.10 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.73 Failed ⁵
Hex(D2D2CC)	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 3.76 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.43 Failed ⁵
Hex(E7E7CC)	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 4.53 AA ¹ AAA 18pt ⁴	Ratio: 3.59 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.18 Failed ⁵
Hex(FBFBCC)	Ratio: 6.79 AA ¹ AAA 18pt ⁴	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 4.25 AA 18pt ²	Ratio: 3.33 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.18 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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