

Converting Colors - WCAG Matrix

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

	Hex(3F45C8)	Hex(5358C8)	Hex(676BC8)	Hex(7B7EC8)	Hex(8F91C8)	Hex(A3A5C8)	Hex(B7B8C8)	Hex(CBCBC8)	Hex(DFDEC8)	Hex(F3F1C8)
Hex(3F45C8)		Ratio: 1.24 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 3.03 AA 18pt ²	Ratio: 3.70 AA 18pt ²	Ratio: 4.46 AA 18pt ²	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 6.29 AA ¹ AAA 18pt ⁴
Hex(5358C8)	Ratio: 1.24 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 3.59 AA 18pt ²	Ratio: 4.29 AA 18pt ²	Ratio: 5.07 AA ¹ AAA 18pt ⁴
Hex(676BC8)	Ratio: 1.56 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.42 AA 18pt ²	Ratio: 4.04 AA 18pt ²
Hex(7B7EC8)	Ratio: 1.95 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.22 AA 18pt ²
Hex(8F91C8)	Ratio: 2.43 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.58 Failed ⁵
Hex(A3A5C8)	Ratio: 3.03 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.08 Failed ⁵
Hex(B7B8C8)	Ratio: 3.70 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.70 Failed ⁵
Hex(CBCBC8)	Ratio: 4.46 AA 18pt ²	Ratio: 3.59 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(DFDEC8)	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 4.29 AA 18pt ²	Ratio: 3.42 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.18 Failed ⁵
Hex(F3F1C8)	Ratio: 6.29 AA ¹ AAA 18pt ⁴	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 4.04 AA 18pt ²	Ratio: 3.22 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.41 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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