

Converting Colors - WCAG Matrix

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

	Hex(263BD9)	Hex(3C4ED9)	Hex(5161D9)	Hex(6774D9)	Hex(7D88D9)	Hex(939BD9)	Hex(A8AED9)	Hex(BEC1D9)	Hex(D4D4D9)	Hex(E9E7D9)
Hex(263BD9)		Ratio: 1.21 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.59 AA 18pt ²	Ratio: 4.36 AA 18pt ²	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 6.24 AA ¹ AAA 18pt ⁴
Hex(3C4ED9)	Ratio: 1.21 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 4.33 AA 18pt ²	Ratio: 5.15 AA ¹ AAA 18pt ⁴
Hex(5161D9)	Ratio: 1.50 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.50 AA 18pt ²	Ratio: 4.16 AA 18pt ²
Hex(6774D9)	Ratio: 1.87 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.33 AA 18pt ²
Hex(7D88D9)	Ratio: 2.36 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.64 Failed ⁵
Hex(939BD9)	Ratio: 2.93 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.13 Failed ⁵
Hex(A8AED9)	Ratio: 3.59 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.74 Failed ⁵
Hex(BEC1D9)	Ratio: 4.36 AA 18pt ²	Ratio: 3.60 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.43 Failed ⁵
Hex(D4D4D9)	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 4.33 AA 18pt ²	Ratio: 3.50 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.19 Failed ⁵
Hex(E9E7D9)	Ratio: 6.24 AA ¹ AAA 18pt ⁴	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 3.33 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.19 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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