

Converting Colors - WCAG Matrix

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

	Hex(3542EF)	Hex(4D58EF)	Hex(656EEF)	Hex(7D85EF)	Hex(959BEF)	Hex(ADB1EF)	Hex(C4C7EF)	Hex(DCDEEF)	Hex(F4F4EF)	Hex(FFFFFF)
Hex(3542EF)		Ratio: 1.25 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.25 AA 18pt ²	Ratio: 4.02 AA 18pt ²	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 5.99 AA ¹ AAA 18pt ⁴	Ratio: 6.55 AA ¹ AAA 18pt ⁴
Hex(4D58EF)	Ratio: 1.25 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.22 AA 18pt ²	Ratio: 3.98 AA 18pt ²	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 5.26 AA ¹ AAA 18pt ⁴
Hex(656EEF)	Ratio: 1.58 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.13 AA 18pt ²	Ratio: 3.78 AA 18pt ²	Ratio: 4.14 AA 18pt ²
Hex(7D85EF)	Ratio: 2.04 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.21 AA 18pt ²
Hex(959BEF)	Ratio: 2.59 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.53 Failed ⁵
Hex(ADB1EF)	Ratio: 3.25 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.02 Failed ⁵
Hex(C4C7EF)	Ratio: 4.02 AA 18pt ²	Ratio: 3.22 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.63 Failed ⁵
Hex(DCDEEF)	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 3.98 AA 18pt ²	Ratio: 3.13 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.32 Failed ⁵
Hex(F4F4EF)	Ratio: 5.99 AA ¹ AAA 18pt ⁴	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 3.78 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.09 Failed ⁵
Hex(FFFFFF)	Ratio: 6.55 AA ¹ AAA 18pt ⁴	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 3.21 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.09 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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