

Converting Colors - WCAG Matrix

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

	Hex(6635F0)	Hex(784DF0)	Hex(8965F0)	Hex(9B7DF0)	Hex(AD95F0)	Hex(BFADF0)	Hex(D0C5F0)	Hex(E2DDF0)	Hex(F4F5F0)	Hex(FFFFFF0)
Hex(6635F0)		Ratio: 1.24 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 3.14 AA 18pt ²	Ratio: 3.88 AA 18pt ²	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 6.25 AA ¹ AAA 18pt ⁴
Hex(784DF0)	Ratio: 1.24 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.14 AA 18pt ²	Ratio: 3.84 AA 18pt ²	Ratio: 4.65 AA ¹ AAA 18pt ⁴	Ratio: 5.05 AA ¹ AAA 18pt ⁴
Hex(8965F0)	Ratio: 1.56 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 3.05 AA 18pt ²	Ratio: 3.70 AA 18pt ²	Ratio: 4.02 AA 18pt ²
Hex(9B7DF0)	Ratio: 1.98 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.16 AA 18pt ²
Hex(AD95F0)	Ratio: 2.50 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.50 Failed ⁵
Hex(BFADF0)	Ratio: 3.14 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.99 Failed ⁵
Hex(D0C5F0)	Ratio: 3.88 AA 18pt ²	Ratio: 3.14 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.61 Failed ⁵
Hex(E2DDF0)	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 3.84 AA 18pt ²	Ratio: 3.05 AA 18pt ²	Ratio: 2.40 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(F4F5F0)	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 4.65 AA ¹ AAA 18pt ⁴	Ratio: 3.70 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.09 Failed ⁵
Hex(FFFFFF0)	Ratio: 6.25 AA ¹ AAA 18pt ⁴	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 4.02 AA 18pt ²	Ratio: 3.16 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.31 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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