

Converting Colors - WCAG Matrix

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

	Hex(E9E7F2)	Hex(D5CFF2)	Hex(C1B7F2)	Hex(AE9EF2)	Hex(9A86F2)	Hex(866EF2)	Hex(7256F2)	Hex(5E3EF2)	Hex(4B25F2)	Hex(370DF2)
Hex(E9E7F2)		Ratio: 1.22 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 3.11 AA 18pt ²	Ratio: 3.97 AA 18pt ²	Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 6.04 AA ¹ AAA 18pt ⁴	Ratio: 6.86 AA ¹ AAA 18pt ⁴
Hex(D5CFF2)	Ratio: 1.22 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.24 AA 18pt ²	Ratio: 4.07 AA 18pt ²	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 5.61 AA ¹ AAA 18pt ⁴
Hex(C1B7F2)	Ratio: 1.52 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.28 AA 18pt ²	Ratio: 3.98 AA 18pt ²	Ratio: 4.53 AA ¹ AAA 18pt ⁴
Hex(AE9EF2)	Ratio: 1.91 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.15 AA 18pt ²	Ratio: 3.59 AA 18pt ²
Hex(9A86F2)	Ratio: 2.43 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 2.82 Failed ⁵
Hex(866EF2)	Ratio: 3.11 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.21 Failed ⁵
Hex(7256F2)	Ratio: 3.97 AA 18pt ²	Ratio: 3.24 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.73 Failed ⁵
Hex(5E3EF2)	Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 4.07 AA 18pt ²	Ratio: 3.28 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.38 Failed ⁵
Hex(4B25F2)	Ratio: 6.04 AA ¹ AAA 18pt ⁴	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 3.98 AA 18pt ²	Ratio: 3.15 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.14 Failed ⁵
Hex(370DF2)	Ratio: 6.86 AA ¹ AAA 18pt ⁴	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 4.53 AA ¹ AAA 18pt ⁴	Ratio: 3.59 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.14 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.