

Converting Colors - WCAG Matrix

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

	Hex(E4DFFE)	Hex(CFC6FE)	Hex(B9ACFE)	Hex(A493FE)	Hex(8F79FE)	Hex(7960FE)	Hex(6447FE)	Hex(4F2DFE)	Hex(3A14FE)	Hex(2900FE)
Hex(E4DFFE)		Ratio: 1.24 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 3.31 AA 18pt ²	Ratio: 4.20 AA 18pt ²	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 6.01 AA ¹ AAA 18pt ⁴	Ratio: 6.45 AA ¹ AAA 18pt ⁴
Hex(CFC6FE)	Ratio: 1.24 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.40 AA 18pt ²	Ratio: 4.19 AA 18pt ²	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 5.21 AA ¹ AAA 18pt ⁴
Hex(B9ACFE)	Ratio: 1.57 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.31 AA 18pt ²	Ratio: 3.83 AA 18pt ²	Ratio: 4.12 AA 18pt ²
Hex(A493FE)	Ratio: 1.99 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.02 AA 18pt ²	Ratio: 3.24 AA 18pt ²
Hex(8F79FE)	Ratio: 2.57 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.51 Failed ⁵
Hex(7960FE)	Ratio: 3.31 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.95 Failed ⁵
Hex(6447FE)	Ratio: 4.20 AA 18pt ²	Ratio: 3.40 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.53 Failed ⁵
Hex(4F2DFE)	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 4.19 AA 18pt ²	Ratio: 3.31 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.24 Failed ⁵
Hex(3A14FE)	Ratio: 6.01 AA ¹ AAA 18pt ⁴	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 3.83 AA 18pt ²	Ratio: 3.02 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.07 Failed ⁵
Hex(2900FE)	Ratio: 6.45 AA ¹ AAA 18pt ⁴	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 3.24 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.07 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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