

Converting Colors - WCAG Matrix

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

	Hex(E2E5F5)	Hex(CAD1F5)	Hex(B1BCF5)	Hex(99A8F5)	Hex(8093F5)	Hex(687FF5)	Hex(4F6AF5)	Hex(3756F5)	Hex(1E41F5)	Hex(062DF5)
Hex(E2E5F5)		Ratio: 1.20 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.56 AA 18pt ²	Ratio: 4.40 AA 18pt ²	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 6.20 AA ¹ AAA 18pt ⁴
Hex(CAD1F5)	Ratio: 1.20 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.66 AA 18pt ²	Ratio: 4.46 AA 18pt ²	Ratio: 5.16 AA ¹ AAA 18pt ⁴
Hex(B1BCF5)	Ratio: 1.47 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 3.64 AA 18pt ²	Ratio: 4.21 AA 18pt ²
Hex(99A8F5)	Ratio: 1.81 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.43 AA 18pt ²
Hex(8093F5)	Ratio: 2.26 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.74 Failed ⁵
Hex(687FF5)	Ratio: 2.82 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.20 Failed ⁵
Hex(4F6AF5)	Ratio: 3.56 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.74 Failed ⁵
Hex(3756F5)	Ratio: 4.40 AA 18pt ²	Ratio: 3.66 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(1E41F5)	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 4.46 AA 18pt ²	Ratio: 3.64 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.16 Failed ⁵
Hex(062DF5)	Ratio: 6.20 AA ¹ AAA 18pt ⁴	Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 4.21 AA 18pt ²	Ratio: 3.43 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.16 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

Failed 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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