

Converting Colors - WCAG Matrix

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

	Hex(0049F5)	Hex(185BF5)	Hex(316CF5)	Hex(497DF5)	Hex(628EF5)	Hex(7A9FF5)	Hex(93B0F5)	Hex(ABC1F5)	Hex(C4D3F5)	Hex(DCE4F5)
Hex(0049F5)		Ratio: 1.18 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 3.57 AA 18pt ²	Ratio: 4.27 AA 18pt ²	Ratio: 5.03 AA ¹ AAA 18pt ⁴
Hex(185BF5)	Ratio: 1.18 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 3.03 AA 18pt ²	Ratio: 3.63 AA 18pt ²	Ratio: 4.27 AA 18pt ²
Hex(316CF5)	Ratio: 1.40 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.04 AA 18pt ²	Ratio: 3.58 AA 18pt ²
Hex(497DF5)	Ratio: 1.69 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 2.97 Failed ⁵
Hex(628EF5)	Ratio: 2.05 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.45 Failed ⁵
Hex(7A9FF5)	Ratio: 2.48 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.03 Failed ⁵
Hex(93B0F5)	Ratio: 2.99 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(ABC1F5)	Ratio: 3.57 AA 18pt ²	Ratio: 3.03 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(C4D3F5)	Ratio: 4.27 AA 18pt ²	Ratio: 3.63 AA 18pt ²	Ratio: 3.04 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.18 Failed ⁵
Hex(DCE4F5)	Ratio: 5.03 AA ¹ AAA 18pt ⁴	Ratio: 4.27 AA 18pt ²	Ratio: 3.58 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.18 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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