

Converting Colors - WCAG Matrix

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

	Hex(584BC5)	Hex(6A5FC5)	Hex(7B72C5)	Hex(8D86C5)	Hex(9E9AC5)	Hex(B0AEC5)	Hex(C2C1C5)	Hex(D3D5C5)	Hex(E5E9C5)	Hex(F6FCC5)
Hex(584BC5)		Ratio: 1.26 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 3.01 AA 18pt ²	Ratio: 3.63 AA 18pt ²	Ratio: 4.37 AA 18pt ²	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 6.09 AA ¹ AAA 18pt ⁴
Hex(6A5FC5)	Ratio: 1.26 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 4.14 AA 18pt ²	Ratio: 4.84 AA ¹ AAA 18pt ⁴
Hex(7B72C5)	Ratio: 1.57 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.32 AA 18pt ²	Ratio: 3.89 AA 18pt ²
Hex(8D86C5)	Ratio: 1.97 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.09 AA 18pt ²
Hex(9E9AC5)	Ratio: 2.44 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 2.49 Failed ⁵
Hex(B0AEC5)	Ratio: 3.01 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.02 Failed ⁵
Hex(C2C1C5)	Ratio: 3.63 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(D3D5C5)	Ratio: 4.37 AA 18pt ²	Ratio: 3.47 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.39 Failed ⁵
Hex(E5E9C5)	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 3.32 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.17 Failed ⁵
Hex(F6FCC5)	Ratio: 6.09 AA ¹ AAA 18pt ⁴	Ratio: 4.84 AA ¹ AAA 18pt ⁴	Ratio: 3.89 AA 18pt ²	Ratio: 3.09 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.17 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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