

Converting Colors - WCAG Matrix

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

	Hex(A679E2)	Hex(8A60C6)	Hex(6F47AA)	Hex(542F8F)	Hex(391775)	Hex(1D005C)	Hex(030044)	Hex(00032C)	Hex(000117)	Hex(000000)
Hex(A679E2)		Ratio: 1.41 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 5.94 AA ¹ AAA 18pt ⁴	Ratio: 6.15 AA ¹ AAA 18pt ⁴	Ratio: 6.35 AA ¹ AAA 18pt ⁴	Ratio: 6.45 AA ¹ AAA 18pt ⁴
Hex(8A60C6)	Ratio: 1.41 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.79 AA 18pt ²	Ratio: 4.20 AA 18pt ²	Ratio: 4.35 AA 18pt ²	Ratio: 4.49 AA 18pt ²	Ratio: 4.57 AA ¹ AAA 18pt ⁴
Hex(6F47AA)	Ratio: 2.04 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.01 AA 18pt ²	Ratio: 3.11 AA 18pt ²	Ratio: 3.16 AA 18pt ²
Hex(542F8F)	Ratio: 2.96 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.18 Failed ⁵
Hex(391775)	Ratio: 4.16 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.55 Failed ⁵
Hex(1D005C)	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 3.79 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.21 Failed ⁵
Hex(030044)	Ratio: 5.94 AA ¹ AAA 18pt ⁴	Ratio: 4.20 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(00032C)	Ratio: 6.15 AA ¹ AAA 18pt ⁴	Ratio: 4.35 AA 18pt ²	Ratio: 3.01 AA 18pt ²	Ratio: 2.08 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.05 Failed ⁵
Hex(000117)	Ratio: 6.35 AA ¹ AAA 18pt ⁴	Ratio: 4.49 AA 18pt ²	Ratio: 3.11 AA 18pt ²	Ratio: 2.14 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 6.45 AA ¹ AAA 18pt ⁴	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 3.16 AA 18pt ²	Ratio: 2.18 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.02 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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