

Converting Colors - WCAG Matrix

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

	Hex(8E88B8)	Hex(746F9D)	Hex(5B5683)	Hex(423F69)	Hex(2B2951)	Hex(13153A)	Hex(000024)	Hex(00000C)	Hex(000000)
Hex(8E88B8)		Ratio: 1.41 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 6.21 AA ¹ AAA 18pt ⁴	Ratio: 6.33 AA ¹ AAA 18pt ⁴	Ratio: 6.36 AA ¹ AAA 18pt ⁴
Hex(746F9D)	Ratio: 1.41 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.77 AA 18pt ²	Ratio: 4.39 AA 18pt ²	Ratio: 4.48 AA 18pt ²	Ratio: 4.50 AA ¹ AAA 18pt ⁴
Hex(5B5683)	Ratio: 2.05 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.03 AA 18pt ²	Ratio: 3.09 AA 18pt ²	Ratio: 3.10 AA 18pt ²
Hex(423F69)	Ratio: 2.96 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.15 Failed ⁵
Hex(2B2951)	Ratio: 4.14 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.54 Failed ⁵
Hex(13153A)	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 3.77 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.20 Failed ⁵
Hex(000024)	Ratio: 6.21 AA ¹ AAA 18pt ⁴	Ratio: 4.39 AA 18pt ²	Ratio: 3.03 AA 18pt ²	Ratio: 2.09 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.02 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(00000C)	Ratio: 6.33 AA ¹ AAA 18pt ⁴	Ratio: 4.48 AA 18pt ²	Ratio: 3.09 AA 18pt ²	Ratio: 2.14 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.02 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(000000)	Ratio: 6.36 AA ¹ AAA 18pt ⁴	Ratio: 4.50 AA ¹ AAA 18pt ⁴	Ratio: 3.10 AA 18pt ²	Ratio: 2.15 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.01 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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