

Converting Colors - WCAG Matrix

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

	Hex(807396)	Hex(66597D)	Hex(4F4263)	Hex(382B4D)	Hex(211736)	Hex(0D0021)	Hex(000003)	Hex(000000)
Hex(807396)		Ratio: 1.46 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 4.63 AA ¹ AAA 18pt ⁴	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 4.81 AA ¹ AAA 18pt ⁴
Hex(66597D)	Ratio: 1.46 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.17 AA 18pt ²	Ratio: 3.29 AA 18pt ²	Ratio: 3.29 AA 18pt ²
Hex(4F4263)	Ratio: 2.10 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.29 Failed ⁵
Hex(382B4D)	Ratio: 2.97 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(211736)	Ratio: 3.88 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.24 Failed ⁵
Hex(0D0021)	Ratio: 4.63 AA ¹ AAA 18pt ⁴	Ratio: 3.17 AA 18pt ²	Ratio: 2.21 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.04 Failed ⁵
Hex(000003)	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 3.29 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.00 Failed ⁵
Hex(000000)	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 3.29 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 1.00 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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