

Converting Colors - WCAG Matrix

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

	Hex(77BEBE)	Hex(5CA3A3)	Hex(418889)	Hex(246F6F)	Hex(005657)	Hex(003F40)	Hex(00282A)	Hex(001116)	Hex(000000)
Hex(77BEBE)		Ratio: 1.37 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 5.54 AA ¹ AAA 18pt ⁴	Ratio: 7.40 Passed ⁶	Ratio: 9.06 Passed ⁶	Ratio: 9.89 Passed ⁶
Hex(5CA3A3)	Ratio: 1.37 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.05 AA 18pt ²	Ratio: 5.40 AA ¹ AAA 18pt ⁴	Ratio: 6.62 AA ¹ AAA 18pt ⁴	Ratio: 7.22 Passed ⁶
Hex(418889)	Ratio: 1.94 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 5.11 AA ¹ AAA 18pt ⁴
Hex(246F6F)	Ratio: 2.76 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.28 AA 18pt ²	Ratio: 3.58 AA 18pt ²
Hex(005657)	Ratio: 4.01 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.47 Failed ⁵
Hex(003F40)	Ratio: 5.54 AA ¹ AAA 18pt ⁴	Ratio: 4.05 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.78 Failed ⁵
Hex(00282A)	Ratio: 7.40 Passed ⁶	Ratio: 5.40 AA ¹ AAA 18pt ⁴	Ratio: 3.82 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.34 Failed ⁵
Hex(001116)	Ratio: 9.06 Passed ⁶	Ratio: 6.62 AA ¹ AAA 18pt ⁴	Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 3.28 AA 18pt ²	Ratio: 2.26 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.09 Failed ⁵
Hex(000000)	Ratio: 9.89 Passed ⁶	Ratio: 7.22 Passed ⁶	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 3.58 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.09 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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