

Converting Colors - WCAG Matrix

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

	Hex(7BB9C9)	Hex(609EAE)	Hex(458493)	Hex(286B7A)	Hex(005361)	Hex(003B49)	Hex(002532)	Hex(000D1E)	Hex(000001)	Hex(000000)
Hex(7BB9C9)		Ratio: 1.38 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 7.34 Passed ⁶	Ratio: 8.94 Passed ⁶	Ratio: 9.62 Passed ⁶	Ratio: 9.63 Passed ⁶
Hex(609EAE)	Ratio: 1.38 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 6.50 AA ¹ AAA 18pt ⁴	Ratio: 7.00 Passed ⁶	Ratio: 7.00 Passed ⁶
Hex(458493)	Ratio: 1.93 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 4.62 AA ¹ AAA 18pt ⁴	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 4.97 AA ¹ AAA 18pt ⁴
Hex(286B7A)	Ratio: 2.77 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.23 AA 18pt ²	Ratio: 3.47 AA 18pt ²	Ratio: 3.47 AA 18pt ²
Hex(005361)	Ratio: 3.99 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.41 Failed ⁵
Hex(003B49)	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 4.07 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.72 Failed ⁵
Hex(002532)	Ratio: 7.34 Passed ⁶	Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 3.80 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(000D1E)	Ratio: 8.94 Passed ⁶	Ratio: 6.50 AA ¹ AAA 18pt ⁴	Ratio: 4.62 AA ¹ AAA 18pt ⁴	Ratio: 3.23 AA 18pt ²	Ratio: 2.24 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.08 Failed ⁵
Hex(000001)	Ratio: 9.62 Passed ⁶	Ratio: 7.00 Passed ⁶	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 3.47 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.00 Failed ⁵
Hex(000000)	Ratio: 9.63 Passed ⁶	Ratio: 7.00 Passed ⁶	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 3.47 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.08 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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