

Converting Colors - WCAG Matrix

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

	Hex(7EAD5)	Hex(6390B9)	Hex(48769E)	Hex(2C5D84)	Hex(05466B)	Hex(003052)	Hex(001B3B)	Hex(000225)	Hex(00010E)	Hex(000000)
Hex(7EAD5)		Ratio: 1.38 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 7.05 Passed ⁶	Ratio: 8.30 Passed ⁶	Ratio: 8.51 Passed ⁶	Ratio: 8.60 Passed ⁶
Hex(6390B9)	Ratio: 1.38 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 5.10 AA ¹ AAA 18pt ⁴	Ratio: 6.01 AA ¹ AAA 18pt ⁴	Ratio: 6.16 AA ¹ AAA 18pt ⁴	Ratio: 6.22 AA ¹ AAA 18pt ⁴
Hex(48769E)	Ratio: 1.97 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.57 AA 18pt ²	Ratio: 4.21 AA 18pt ²	Ratio: 4.31 AA 18pt ²	Ratio: 4.36 AA 18pt ²
Hex(2C5D84)	Ratio: 2.86 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 3.01 AA 18pt ²
Hex(05466B)	Ratio: 4.10 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.09 Failed ⁵
Hex(003052)	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 4.03 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.54 Failed ⁵
Hex(001B3B)	Ratio: 7.05 Passed ⁶	Ratio: 5.10 AA ¹ AAA 18pt ⁴	Ratio: 3.57 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.22 Failed ⁵
Hex(000225)	Ratio: 8.30 Passed ⁶	Ratio: 6.01 AA ¹ AAA 18pt ⁴	Ratio: 4.21 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.02 Failed ⁵	Ratio: 1.04 Failed ⁵
Hex(00010E)	Ratio: 8.51 Passed ⁶	Ratio: 6.16 AA ¹ AAA 18pt ⁴	Ratio: 4.31 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.02 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(000000)	Ratio: 8.60 Passed ⁶	Ratio: 6.22 AA ¹ AAA 18pt ⁴	Ratio: 4.36 AA 18pt ²	Ratio: 3.01 AA 18pt ²	Ratio: 2.09 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.04 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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