

Converting Colors - WCAG Matrix

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

	Hex(ADE4F8)	Hex(91C8DB)	Hex(76ADC0)	Hex(5C92A4)	Hex(41788A)	Hex(255F71)	Hex(004858)	Hex(003141)	Hex(001D2B)	Hex(000116)
Hex(ADE4F8)		Ratio: 1.33 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 3.56 AA 18pt ²	Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 7.37 Passed ⁶	Ratio: 10.05 Passed ⁶	Ratio: 12.58 Passed ⁶	Ratio: 14.99 Passed ⁶
Hex(91C8DB)	Ratio: 1.33 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 7.58 Passed ⁶	Ratio: 9.49 Passed ⁶	Ratio: 11.31 Passed ⁶
Hex(76ADC0)	Ratio: 1.79 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 7.03 Passed ⁶	Ratio: 8.37 Passed ⁶
Hex(5C92A4)	Ratio: 2.50 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 5.04 AA ¹ AAA 18pt ⁴	Ratio: 6.01 AA ¹ AAA 18pt ⁴
Hex(41788A)	Ratio: 3.56 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.53 AA 18pt ²	Ratio: 4.21 AA 18pt ²
Hex(255F71)	Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 3.89 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.91 Failed ⁵
Hex(004858)	Ratio: 7.37 Passed ⁶	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 4.11 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.04 Failed ⁵
Hex(003141)	Ratio: 10.05 Passed ⁶	Ratio: 7.58 Passed ⁶	Ratio: 5.61 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: 1.25 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(001D2B)	Ratio: 12.58 Passed ⁶	Ratio: 9.49 Passed ⁶	Ratio: 7.03 Passed ⁶	Ratio: 5.04 AA ¹ AAA 18pt ⁴	Ratio: 3.53 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.19 Failed ⁵
Hex(000116)	Ratio: 14.99 Passed ⁶	Ratio: 11.31 Passed ⁶	Ratio: 8.37 Passed ⁶	Ratio: 6.01 AA ¹ AAA 18pt ⁴	Ratio: 4.21 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.19 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.