

Converting Colors - WCAG Matrix

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

	Hex(151D1E)	Hex(F6FFFF)	Hex(40484A)	Hex(576061)	Hex(6F797A)	Hex(899394)	Hex(A3ADAE)	Hex(BEC9CA)	Hex(DAE5E6)
Hex(151D1E)		Ratio: 16.85 Passed ⁶	Ratio: 1.83 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.83 AA 18pt ²	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 7.46 Passed ⁶	Ratio: 10.11 Passed ⁶	Ratio: 13.32 Passed ⁶
Hex(F6FFFF)	Ratio: 16.85 Passed ⁶		Ratio: 9.21 Passed ⁶	Ratio: 6.36 AA ¹ AAA 18pt ⁴	Ratio: 4.40 AA 18pt ²	Ratio: 3.10 AA 18pt ²	Ratio: 2.26 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(40484A)	Ratio: 1.83 Failed ⁵	Ratio: 9.21 Passed ⁶		Ratio: 1.45 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 7.28 Passed ⁶
Hex(576061)	Ratio: 2.65 Failed ⁵	Ratio: 6.36 AA ¹ AAA 18pt ⁴	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.81 AA 18pt ²	Ratio: 5.02 AA ¹ AAA 18pt ⁴
Hex(6F797A)	Ratio: 3.83 AA 18pt ²	Ratio: 4.40 AA 18pt ²	Ratio: 2.09 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.48 AA 18pt ²
Hex(899394)	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 3.10 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.45 Failed ⁵
Hex(A3ADAE)	Ratio: 7.46 Passed ⁶	Ratio: 2.26 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.79 Failed ⁵
Hex(BEC9CA)	Ratio: 10.11 Passed ⁶	Ratio: 1.67 Failed ⁵	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 3.81 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.32 Failed ⁵
Hex(DAE5E6)	Ratio: 13.32 Passed ⁶	Ratio: 1.27 Failed ⁵	Ratio: 7.28 Passed ⁶	Ratio: 5.02 AA ¹ AAA 18pt ⁴	Ratio: 3.48 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.32 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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