

Converting Colors - WCAG Matrix

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

	Hex(A3BDC5)	Hex(89A2AA)	Hex(6F888F)	Hex(566E76)	Hex(3E565D)	Hex(273F45)	Hex(11292F)	Hex(00151A)	Hex(000000)
Hex(A3BDC5)		Ratio: 1.36 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 7.70 Passed ⁶	Ratio: 9.48 Passed ⁶	Ratio: 10.64 Passed ⁶
Hex(89A2AA)	Ratio: 1.36 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 6.96 AA ¹ AAA 18pt ⁴	Ratio: 7.81 Passed ⁶
Hex(6F888F)	Ratio: 1.90 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.05 AA 18pt ²	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 5.59 AA ¹ AAA 18pt ⁴
Hex(566E76)	Ratio: 2.74 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.46 AA 18pt ²	Ratio: 3.89 AA 18pt ²
Hex(3E565D)	Ratio: 3.95 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.69 Failed ⁵
Hex(273F45)	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.88 Failed ⁵
Hex(11292F)	Ratio: 7.70 Passed ⁶	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 4.05 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.38 Failed ⁵
Hex(00151A)	Ratio: 9.48 Passed ⁶	Ratio: 6.96 AA ¹ AAA 18pt ⁴	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 3.46 AA 18pt ²	Ratio: 2.40 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.12 Failed ⁵
Hex(000000)	Ratio: 10.64 Passed ⁶	Ratio: 7.81 Passed ⁶	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 3.89 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.12 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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