

Converting Colors - WCAG Matrix

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

	Hex(E5F0FF)	Hex(C9D4E5)	Hex(AEB8C9)	Hex(939DAE)	Hex(798393)	Hex(606A79)	Hex(485261)	Hex(313B49)	Hex(1C2532)	Hex(04101D)
Hex(E5F0FF)		Ratio: 1.30 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 3.33 AA 18pt ²	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 9.85 Passed ⁶	Ratio: 13.41 Passed ⁶	Ratio: 16.63 Passed ⁶
Hex(C9D4E5)	Ratio: 1.30 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.66 AA 18pt ²	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 7.58 Passed ⁶	Ratio: 10.32 Passed ⁶	Ratio: 12.79 Passed ⁶
Hex(AEB8C9)	Ratio: 1.74 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶	Ratio: 9.57 Passed ⁶
Hex(939DAE)	Ratio: 2.38 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 7.00 Passed ⁶
Hex(798393)	Ratio: 3.33 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 5.00 AA ¹ AAA 18pt ⁴
Hex(606A79)	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 3.66 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.50 AA 18pt ²
Hex(485261)	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 3.95 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.42 Failed ⁵
Hex(313B49)	Ratio: 9.85 Passed ⁶	Ratio: 7.58 Passed ⁶	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(1C2532)	Ratio: 13.41 Passed ⁶	Ratio: 10.32 Passed ⁶	Ratio: 7.72 Passed ⁶	Ratio: 5.64 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: 1.24 Failed ⁵
Hex(04101D)	Ratio: 16.63 Passed ⁶	Ratio: 12.79 Passed ⁶	Ratio: 9.57 Passed ⁶	Ratio: 7.00 Passed ⁶	Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 3.50 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.24 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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