

Converting Colors - WCAG Matrix

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

	Hex(DBE7EB)	Hex(BFCBCF)	Hex(A4B1B3)	Hex(8A9499)	Hex(707A7F)	Hex(586366)	Hex(404B4E)	Hex(2A3537)	Hex(152022)	Hex(00060B)
Hex(DBE7EB)		Ratio: 1.31 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.48 AA 18pt ²	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 7.13 Passed ⁶	Ratio: 10.01 Passed ⁶	Ratio: 13.19 Passed ⁶	Ratio: 16.14 Passed ⁶
Hex(BFCBCF)	Ratio: 1.31 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 7.61 Passed ⁶	Ratio: 10.03 Passed ⁶	Ratio: 12.28 Passed ⁶
Hex(A4B1B3)	Ratio: 1.75 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.54 Passed ⁶	Ratio: 9.23 Passed ⁶
Hex(8A9499)	Ratio: 2.46 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 6.57 AA ¹ AAA 18pt ⁴
Hex(707A7F)	Ratio: 3.48 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.79 AA 18pt ²	Ratio: 4.64 AA ¹ AAA 18pt ⁴
Hex(586366)	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 3.73 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.29 AA 18pt ²
Hex(404B4E)	Ratio: 7.13 Passed ⁶	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.26 Failed ⁵
Hex(2A3537)	Ratio: 10.01 Passed ⁶	Ratio: 7.61 Passed ⁶	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.61 Failed ⁵
Hex(152022)	Ratio: 13.19 Passed ⁶	Ratio: 10.03 Passed ⁶	Ratio: 7.54 Passed ⁶	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 3.79 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(00060B)	Ratio: 16.14 Passed ⁶	Ratio: 12.28 Passed ⁶	Ratio: 9.23 Passed ⁶	Ratio: 6.57 AA ¹ AAA 18pt ⁴	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 3.29 AA 18pt ²	Ratio: 2.26 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.22 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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