

Converting Colors - WCAG Matrix

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

	Hex(DBF5EF)	Hex(BFD9D3)	Hex(A4BDB7)	Hex(89A29C)	Hex(708882)	Hex(576E69)	Hex(405651)	Hex(293F3A)	Hex(142925)	Hex(00150F)
Hex(DBF5EF)		Ratio: 1.30 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 3.31 AA 18pt ²	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 9.82 Passed ⁶	Ratio: 13.34 Passed ⁶	Ratio: 16.44 Passed ⁶
Hex(BFD9D3)	Ratio: 1.30 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.67 AA 18pt ²	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 7.54 Passed ⁶	Ratio: 10.25 Passed ⁶	Ratio: 12.64 Passed ⁶
Hex(A4BDB7)	Ratio: 1.74 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 7.67 Passed ⁶	Ratio: 9.46 Passed ⁶
Hex(89A29C)	Ratio: 2.38 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 6.92 AA ¹ AAA 18pt ⁴
Hex(708882)	Ratio: 3.31 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 4.97 AA ¹ AAA 18pt ⁴
Hex(576E69)	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 3.67 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.45 AA 18pt ²
Hex(405651)	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 3.95 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.39 Failed ⁵
Hex(293F3A)	Ratio: 9.82 Passed ⁶	Ratio: 7.54 Passed ⁶	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(142925)	Ratio: 13.34 Passed ⁶	Ratio: 10.25 Passed ⁶	Ratio: 7.67 Passed ⁶	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 4.03 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.23 Failed ⁵
Hex(00150F)	Ratio: 16.44 Passed ⁶	Ratio: 12.64 Passed ⁶	Ratio: 9.46 Passed ⁶	Ratio: 6.92 AA ¹ AAA 18pt ⁴	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 3.45 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.23 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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