

Converting Colors - WCAG Matrix

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

	Hex(001311)	Hex(D8F3F0)	Hex(263D3B)	Hex(3D5452)	Hex(546C6A)	Hex(6D8683)	Hex(86A09E)	Hex(A1BBB8)	Hex(BCD7D4)
Hex(001311)		Ratio: 16.34 Passed ⁶	Ratio: 1.65 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 6.84 AA ¹ AAA 18pt ⁴	Ratio: 9.37 Passed ⁶	Ratio: 12.54 Passed ⁶
Hex(D8F3F0)	Ratio: 16.34 Passed ⁶		Ratio: 9.93 Passed ⁶	Ratio: 6.95 AA ¹ AAA 18pt ⁴	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 3.34 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.30 Failed ⁵
Hex(263D3B)	Ratio: 1.65 Failed ⁵	Ratio: 9.93 Passed ⁶		Ratio: 1.43 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 7.62 Passed ⁶
Hex(3D5452)	Ratio: 2.35 Failed ⁵	Ratio: 6.95 AA ¹ AAA 18pt ⁴	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 5.34 AA ¹ AAA 18pt ⁴
Hex(546C6A)	Ratio: 3.39 AA 18pt ²	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 2.06 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.70 AA 18pt ²
Hex(6D8683)	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 3.34 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.56 Failed ⁵
Hex(86A09E)	Ratio: 6.84 AA ¹ AAA 18pt ⁴	Ratio: 2.39 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.83 Failed ⁵
Hex(A1BBB8)	Ratio: 9.37 Passed ⁶	Ratio: 1.74 Failed ⁵	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 3.99 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.34 Failed ⁵
Hex(BCD7D4)	Ratio: 12.54 Passed ⁶	Ratio: 1.30 Failed ⁵	Ratio: 7.62 Passed ⁶	Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 3.70 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.34 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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