

Converting Colors - WCAG Matrix

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

	Hex(DEEFE1)	Hex(C2D3C5)	Hex(A7B7AA)	Hex(8C9D90)	Hex(738376)	Hex(5A695D)	Hex(435146)	Hex(2C3A2F)	Hex(18251B)	Hex(001000)
Hex(DEEFE1)		Ratio: 1.31 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 3.35 AA 18pt ²	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 7.00 Passed ⁶	Ratio: 10.00 Passed ⁶	Ratio: 13.30 Passed ⁶	Ratio: 16.33 Passed ⁶
Hex(C2D3C5)	Ratio: 1.31 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.71 AA 18pt ²	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 7.65 Passed ⁶	Ratio: 10.17 Passed ⁶	Ratio: 12.49 Passed ⁶
Hex(A7B7AA)	Ratio: 1.75 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 7.58 Passed ⁶	Ratio: 9.31 Passed ⁶
Hex(8C9D90)	Ratio: 2.39 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.19 AA 18pt ²	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 6.83 AA ¹ AAA 18pt ⁴
Hex(738376)	Ratio: 3.35 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 4.88 AA ¹ AAA 18pt ⁴
Hex(5A695D)	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 3.71 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.36 AA 18pt ²
Hex(435146)	Ratio: 7.00 Passed ⁶	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 3.99 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.33 Failed ⁵
Hex(2C3A2F)	Ratio: 10.00 Passed ⁶	Ratio: 7.65 Passed ⁶	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 4.19 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.63 Failed ⁵
Hex(18251B)	Ratio: 13.30 Passed ⁶	Ratio: 10.17 Passed ⁶	Ratio: 7.58 Passed ⁶	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 3.97 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.23 Failed ⁵
Hex(001000)	Ratio: 16.33 Passed ⁶	Ratio: 12.49 Passed ⁶	Ratio: 9.31 Passed ⁶	Ratio: 6.83 AA ¹ AAA 18pt ⁴	Ratio: 4.88 AA ¹ AAA 18pt ⁴	Ratio: 3.36 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.63 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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