

Converting Colors - WCAG Matrix

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

	Hex(87DEDE)	Hex(6BC2C2)	Hex(4FA6A6)	Hex(308C8C)	Hex(037373)	Hex(005959)	Hex(004042)	Hex(002B2E)	Hex(00141A)	Hex(000000)
Hex(87DEDE)		Ratio: 1.34 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 7.47 Passed ⁶	Ratio: 9.77 Passed ⁶	Ratio: 12.14 Passed ⁶	Ratio: 13.53 Passed ⁶
Hex(6BC2C2)	Ratio: 1.34 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 7.31 Passed ⁶	Ratio: 9.08 Passed ⁶	Ratio: 10.12 Passed ⁶
Hex(4FA6A6)	Ratio: 1.84 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 4.05 AA 18pt ²	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 6.58 AA ¹ AAA 18pt ⁴	Ratio: 7.34 Passed ⁶
Hex(308C8C)	Ratio: 2.58 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.79 AA 18pt ²	Ratio: 4.71 AA ¹ AAA 18pt ⁴	Ratio: 5.26 AA ¹ AAA 18pt ⁴
Hex(037373)	Ratio: 3.65 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.32 AA 18pt ²	Ratio: 3.70 AA 18pt ²
Hex(005959)	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 3.93 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.57 Failed ⁵
Hex(004042)	Ratio: 7.47 Passed ⁶	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 4.05 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.81 Failed ⁵
Hex(002B2E)	Ratio: 9.77 Passed ⁶	Ratio: 7.31 Passed ⁶	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 3.79 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.39 Failed ⁵
Hex(00141A)	Ratio: 12.14 Passed ⁶	Ratio: 9.08 Passed ⁶	Ratio: 6.58 AA ¹ AAA 18pt ⁴	Ratio: 4.71 AA ¹ AAA 18pt ⁴	Ratio: 3.32 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.11 Failed ⁵
Hex(000000)	Ratio: 13.53 Passed ⁶	Ratio: 10.12 Passed ⁶	Ratio: 7.34 Passed ⁶	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 3.70 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.11 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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