

Converting Colors - WCAG Matrix

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

	Hex(91EDD6)	Hex(75D1BA)	Hex(59B59F)	Hex(3C9A85)	Hex(1A7F6C)	Hex(006654)	Hex(004D3D)	Hex(003627)	Hex(002212)	Hex(000000)
Hex(91EDD6)		Ratio: 1.32 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 3.56 AA 18pt ²	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 7.18 Passed ⁶	Ratio: 9.82 Passed ⁶	Ratio: 12.35 Passed ⁶	Ratio: 15.29 Passed ⁶
Hex(75D1BA)	Ratio: 1.32 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.83 AA 18pt ² AAA 18pt ⁴	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 7.44 Passed ⁶	Ratio: 9.36 Passed ⁶	Ratio: 11.59 Passed ⁶
Hex(59B59F)	Ratio: 1.79 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 4.01 AA 18pt ² AAA 18pt ⁴	Ratio: 5.48 AA ¹ AAA 18pt ⁴	Ratio: 6.90 AA ¹ AAA 18pt ⁴	Ratio: 8.53 Passed ⁶
Hex(3C9A85)	Ratio: 2.48 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.95 AA 18pt ² AAA 18pt ⁴	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 6.15 AA ¹ AAA 18pt ⁴
Hex(1A7F6C)	Ratio: 3.56 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 4.30 AA 18pt ²
Hex(006654)	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 3.83 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 3.03 AA 18pt ²
Hex(004D3D)	Ratio: 7.18 Passed ⁶	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 4.01 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.13 Failed ⁵
Hex(003627)	Ratio: 9.82 Passed ⁶	Ratio: 7.44 Passed ⁶	Ratio: 5.48 AA ¹ AAA 18pt ⁴	Ratio: 3.95 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.56 Failed ⁵
Hex(002212)	Ratio: 12.35 Passed ⁶	Ratio: 9.36 Passed ⁶	Ratio: 6.90 AA ¹ AAA 18pt ⁴	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 3.47 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.24 Failed ⁵
Hex(000000)	Ratio: 15.29 Passed ⁶	Ratio: 11.59 Passed ⁶	Ratio: 8.53 Passed ⁶	Ratio: 6.15 AA ¹ AAA 18pt ⁴	Ratio: 4.30 AA 18pt ²	Ratio: 3.03 AA 18pt ²	Ratio: 2.13 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.24 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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