

Converting Colors - WCAG Matrix

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

	Hex(002712)	Hex(173D26)	Hex(2E553C)	Hex(466D53)	Hex(5E876C)	Hex(77A185)	Hex(91BC9F)	Hex(ACD8BA)	Hex(C8F4D6)	Hex(E4FFF2)
Hex(002712)		Ratio: 1.33 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 7.62 Passed ⁶	Ratio: 10.23 Passed ⁶	Ratio: 13.37 Passed ⁶	Ratio: 15.31 Passed ⁶
Hex(173D26)	Ratio: 1.33 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.67 Passed ⁶	Ratio: 10.03 Passed ⁶	Ratio: 11.48 Passed ⁶
Hex(2E553C)	Ratio: 1.91 Failed ⁵	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: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 7.00 Passed ⁶	Ratio: 8.02 Passed ⁶
Hex(466D53)	Ratio: 2.75 Failed ⁵	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: 3.72 AA 18pt ²	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 5.57 AA ¹ AAA 18pt ⁴
Hex(5E876C)	Ratio: 3.97 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.37 AA 18pt ²	Ratio: 3.86 AA 18pt ²
Hex(77A185)	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 4.17 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.75 Failed ⁵
Hex(91BC9F)	Ratio: 7.62 Passed ⁶	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 3.99 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.01 Failed ⁵
Hex(ACD8BA)	Ratio: 10.23 Passed ⁶	Ratio: 7.67 Passed ⁶	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 3.72 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(C8F4D6)	Ratio: 13.37 Passed ⁶	Ratio: 10.03 Passed ⁶	Ratio: 7.00 Passed ⁶	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 3.37 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.14 Failed ⁵
Hex(E4FFF2)	Ratio: 15.31 Passed ⁶	Ratio: 11.48 Passed ⁶	Ratio: 8.02 Passed ⁶	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 3.86 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.14 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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