

Converting Colors - WCAG Matrix

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

	Hex(174F35)	Hex(FFFFFF)	Hex(4A8164)	Hex(639B7D)	Hex(7DB697)	Hex(98D2B1)	Hex(B3EECD)	Hex(CFFFE9)	Hex(ECFFFF)
Hex(174F35)		Ratio: 9.52 Passed ⁶	Ratio: 2.09 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 7.27 Passed ⁶	Ratio: 8.67 Passed ⁶	Ratio: 9.21 Passed ⁶
Hex(FFFFFF)	Ratio: 9.52 Passed ⁶		Ratio: 4.55 AA ¹ AAA 18pt ⁴	Ratio: 3.22 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(4A8164)	Ratio: 2.09 Failed ⁵	Ratio: 4.55 AA ¹ AAA 18pt ⁴		Ratio: 1.41 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 4.15 AA 18pt ²	Ratio: 4.40 AA 18pt ²
Hex(639B7D)	Ratio: 2.95 Failed ⁵	Ratio: 3.22 AA 18pt ²	Ratio: 1.41 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.12 AA 18pt ²
Hex(7DB697)	Ratio: 4.08 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.25 Failed ⁵
Hex(98D2B1)	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 1.72 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.67 Failed ⁵
Hex(B3EECD)	Ratio: 7.27 Passed ⁶	Ratio: 1.31 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(CFFFE9)	Ratio: 8.67 Passed ⁶	Ratio: 1.10 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(ECFFFF)	Ratio: 9.21 Passed ⁶	Ratio: 1.03 Failed ⁵	Ratio: 4.40 AA 18pt ²	Ratio: 3.12 AA 18pt ²	Ratio: 2.25 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.06 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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