

Converting Colors - WCAG Matrix

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

	Hex(667523)	Hex(FFFFFF)	Hex(9BA955)	Hex(B7C56E)	Hex(D3E189)	Hex(F0FDA4)	Hex(FFFFBF)	Hex(FFFDB)	Hex(FFFFF8)
Hex(667523)		Ratio: 5.08 AA ¹ AAA 18pt ⁴	Ratio: 1.98 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 5.06 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 5.08 AA ¹ AAA 18pt ⁴		Ratio: 2.56 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 1.00 Failed ⁵
Hex(9BA955)	Ratio: 1.98 Failed ⁵	Ratio: 2.56 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 2.55 Failed ⁵
Hex(B7C56E)	Ratio: 2.72 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.86 Failed ⁵
Hex(D3E189)	Ratio: 3.60 AA 18pt ²	Ratio: 1.41 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.40 Failed ⁵
Hex(F0FDA4)	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 1.09 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.08 Failed ⁵
Hex(FFFFBF)	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.01 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(FFFDB)	Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.01 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(FFFFF8)	Ratio: 5.06 AA ¹ AAA 18pt ⁴	Ratio: 1.00 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.02 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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