

Converting Colors - WCAG Matrix

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

Hex(DED16) Hex(FFFEBA) Hex(DE161A) Hex(807F57) Hex(000000) Hex(808080)

	Hex(DED16)	Hex(FFFEBA)	Hex(DE161A)	Hex(807F57)	Hex(000000)	Hex(808080)
Hex(DED16)		Ratio: 1.40 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 14.35 Passed ⁶	Ratio: 2.70 Failed ⁵
Hex(FFFEBA)	Ratio: 1.40 Failed ⁵		Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 20.14 Passed ⁶	Ratio: 3.79 AA 18pt ²
Hex(DE161A)	Ratio: 3.39 AA 18pt ²	Ratio: 4.75 AA ¹ AAA 18pt ⁴		Ratio: 1.20 Failed ⁵	Ratio: 4.24 AA 18pt ²	Ratio: 1.26 Failed ⁵
Hex(807F57)	Ratio: 2.82 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 1.20 Failed ⁵		Ratio: 5.09 AA ¹ AAA 18pt ⁴	Ratio: 1.04 Failed ⁵
Hex(000000)	Ratio: 14.35 Passed ⁶	Ratio: 20.14 Passed ⁶	Ratio: 4.24 AA 18pt ²	Ratio: 5.09 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.70 Failed ⁵	Ratio: 3.79 AA 18pt ²	Ratio: 1.26 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 5.32 AA ¹ AAA 18pt ⁴	

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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