

Converting Colors - WCAG Matrix

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

	Hex(D4D4D4)	Hex(D4BFBF)	Hex(D4AAAA)	Hex(D49494)	Hex(D47F7F)	Hex(D46A6A)	Hex(D45555)	Hex(D44040)	Hex(D42A2A)	Hex(D41515)
Hex(D4D4D4)		Ratio: 1.18 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.08 AA 18pt ²	Ratio: 3.40 AA 18pt ²	Ratio: 3.62 AA 18pt ²
Hex(D4BFBF)	Ratio: 1.18 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.06 AA 18pt ²
Hex(D4AAAA)	Ratio: 1.40 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.59 Failed ⁵
Hex(D49494)	Ratio: 1.67 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.16 Failed ⁵
Hex(D47F7F)	Ratio: 1.98 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.82 Failed ⁵
Hex(D46A6A)	Ratio: 2.33 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.55 Failed ⁵
Hex(D45555)	Ratio: 2.71 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.34 Failed ⁵
Hex(D44040)	Ratio: 3.08 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.18 Failed ⁵
Hex(D42A2A)	Ratio: 3.40 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(D41515)	Ratio: 3.62 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.18 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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