

Converting Colors - WCAG Matrix

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

	Hex(D41515)	Hex(D42A2A)	Hex(D4403F)	Hex(D45555)	Hex(D46A6A)	Hex(D47F7F)	Hex(D49494)	Hex(D4A9A9)	Hex(D4BEBE)	Hex(D4D4D4)
Hex(D41515)		Ratio: 1.06 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.04 AA 18pt ²	Ratio: 3.62 AA 18pt ²
Hex(D42A2A)	Ratio: 1.06 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.40 AA 18pt ²
Hex(D4403F)	Ratio: 1.18 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.08 AA 18pt ²
Hex(D45555)	Ratio: 1.34 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.71 Failed ⁵
Hex(D46A6A)	Ratio: 1.55 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.33 Failed ⁵
Hex(D47F7F)	Ratio: 1.82 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.98 Failed ⁵
Hex(D49494)	Ratio: 2.16 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.67 Failed ⁵
Hex(D4A9A9)	Ratio: 2.56 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(D4BEBE)	Ratio: 3.04 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.19 Failed ⁵
Hex(D4D4D4)	Ratio: 3.62 AA 18pt ²	Ratio: 3.40 AA 18pt ²	Ratio: 3.08 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.19 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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