

Converting Colors - WCAG Matrix

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

	Hex(D6D6D6)	Hex(D6C1C1)	Hex(D6ABAB)	Hex(D69696)	Hex(D68181)	Hex(D66B6B)	Hex(D65656)	Hex(D64040)	Hex(D62B2B)	Hex(D61515)
Hex(D6D6D6)		Ratio: 1.18 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.10 AA 18pt ²	Ratio: 3.41 AA 18pt ²	Ratio: 3.63 AA 18pt ²
Hex(D6C1C1)	Ratio: 1.18 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.08 AA 18pt ²
Hex(D6ABAB)	Ratio: 1.41 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.58 Failed ⁵
Hex(D69696)	Ratio: 1.67 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.18 Failed ⁵
Hex(D68181)	Ratio: 1.97 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.84 Failed ⁵
Hex(D66B6B)	Ratio: 2.34 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.40 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(D65656)	Ratio: 2.71 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.63 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(D64040)	Ratio: 3.10 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.17 Failed ⁵
Hex(D62B2B)	Ratio: 3.41 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.07 Failed ⁵
Hex(D61515)	Ratio: 3.63 AA 18pt ²	Ratio: 3.08 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.07 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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