

Converting Colors - WCAG Matrix

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

	Hex(D3D3D3)	Hex(D3BEBE)	Hex(D3A9A9)	Hex(D39494)	Hex(D37F7F)	Hex(D36A6A)	Hex(D35454)	Hex(D33F3F)	Hex(D32A2A)	Hex(D31515)
Hex(D3D3D3)		Ratio: 1.18 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.08 AA 18pt ²	Ratio: 3.39 AA 18pt ²	Ratio: 3.61 AA 18pt ²
Hex(D3BEBE)	Ratio: 1.18 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.06 AA 18pt ²
Hex(D3A9A9)	Ratio: 1.40 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.58 Failed ⁵
Hex(D39494)	Ratio: 1.66 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.17 Failed ⁵
Hex(D37F7F)	Ratio: 1.97 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.83 Failed ⁵
Hex(D36A6A)	Ratio: 2.32 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.55 Failed ⁵
Hex(D35454)	Ratio: 2.72 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.33 Failed ⁵
Hex(D33F3F)	Ratio: 3.08 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.17 Failed ⁵
Hex(D32A2A)	Ratio: 3.39 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(D31515)	Ratio: 3.61 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.17 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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