

Converting Colors - WCAG Matrix

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

	Hex(DEBDBD)	Hex(DEA6A6)	Hex(DE9090)	Hex(DE7A7A)	Hex(DE6464)	Hex(DE4E4E)	Hex(DE3737)	Hex(DE2121)	Hex(DE0B0B)	Hex(DE0000)
Hex(DEBDBD)		Ratio: 1.20 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 2.95 Failed ⁵
Hex(DEA6A6)	Ratio: 1.20 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.46 Failed ⁵
Hex(DE9090)	Ratio: 1.43 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.07 Failed ⁵
Hex(DE7A7A)	Ratio: 1.69 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.75 Failed ⁵
Hex(DE6464)	Ratio: 1.98 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(DE4E4E)	Ratio: 2.28 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(DE3737)	Ratio: 2.57 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.15 Failed ⁵
Hex(DE2121)	Ratio: 2.79 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.06 Failed ⁵
Hex(DE0B0B)	Ratio: 2.91 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(DE0000)	Ratio: 2.95 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.01 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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