

Converting Colors - WCAG Matrix

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

	Hex(4D4D4D)	Hex(4D5555)	Hex(4D5C5C)	Hex(4D6464)	Hex(4D6C6C)	Hex(4D7373)	Hex(4D7B7B)	Hex(4D8383)	Hex(4D8B8B)	Hex(4D9292)
Hex(4D4D4D)		Ratio: 1.11 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 2.35 Failed ⁵
Hex(4D5555)	Ratio: 1.11 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.13 Failed ⁵
Hex(4D5C5C)	Ratio: 1.21 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.95 Failed ⁵
Hex(4D6464)	Ratio: 1.34 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(4D6C6C)	Ratio: 1.48 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(4D7373)	Ratio: 1.62 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.45 Failed ⁵
Hex(4D7B7B)	Ratio: 1.79 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.32 Failed ⁵
Hex(4D8383)	Ratio: 1.97 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(4D8B8B)	Ratio: 2.17 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.09 Failed ⁵
Hex(4D9292)	Ratio: 2.35 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.09 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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