

Converting Colors - WCAG Matrix

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

	Hex(524A4F)	Hex(52424B)	Hex(523A48)	Hex(523245)	Hex(522941)	Hex(52213E)	Hex(52193A)	Hex(521137)	Hex(520933)	Hex(520030)
Hex(524A4F)		Ratio: 1.09 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.75 Failed ⁵
Hex(52424B)	Ratio: 1.09 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.60 Failed ⁵
Hex(523A48)	Ratio: 1.19 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.47 Failed ⁵
Hex(523245)	Ratio: 1.29 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.36 Failed ⁵
Hex(522941)	Ratio: 1.40 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.25 Failed ⁵
Hex(52213E)	Ratio: 1.49 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.17 Failed ⁵
Hex(52193A)	Ratio: 1.57 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.11 Failed ⁵
Hex(521137)	Ratio: 1.64 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.07 Failed ⁵
Hex(520933)	Ratio: 1.70 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(520030)	Ratio: 1.75 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.03 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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