

Converting Colors - WCAG Matrix

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

	Hex(242424)	Hex(242626)	Hex(242B2B)	Hex(242E2E)	Hex(243333)	Hex(243636)	Hex(243838)	Hex(243D3D)	Hex(244040)	Hex(244545)
Hex(242424)		Ratio: 1.02 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(242626)	Ratio: 1.02 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.46 Failed ⁵
Hex(242B2B)	Ratio: 1.08 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.38 Failed ⁵
Hex(242E2E)	Ratio: 1.11 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.34 Failed ⁵
Hex(243333)	Ratio: 1.18 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.26 Failed ⁵
Hex(243636)	Ratio: 1.22 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.22 Failed ⁵
Hex(243838)	Ratio: 1.26 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(243D3D)	Ratio: 1.34 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.11 Failed ⁵
Hex(244040)	Ratio: 1.39 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.07 Failed ⁵
Hex(244545)	Ratio: 1.49 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.11 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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