

# Converting Colors - WCAG Matrix

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

	Hex(A8AC2A)	Hex(FFFFFF)	Hex(E2E362)	Hex(FFF7D)	Hex(FFF99)	Hex(FFFB5)	Hex(FFFD1)	Hex(FFFEE)
Hex(A8AC2A)		Ratio: 2.44 Failed <sup>5</sup>	Ratio: 1.79 Failed <sup>5</sup>	Ratio: 2.31 Failed <sup>5</sup>	Ratio: 2.33 Failed <sup>5</sup>	Ratio: 2.35 Failed <sup>5</sup>	Ratio: 2.38 Failed <sup>5</sup>	Ratio: 2.42 Failed <sup>5</sup>
Hex(FFFFFF)	Ratio: 2.44 Failed <sup>5</sup>		Ratio: 1.36 Failed <sup>5</sup>	Ratio: 1.06 Failed <sup>5</sup>	Ratio: 1.05 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>	Ratio: 1.03 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>
Hex(E2E362)	Ratio: 1.79 Failed <sup>5</sup>	Ratio: 1.36 Failed <sup>5</sup>		Ratio: 1.29 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.35 Failed <sup>5</sup>
Hex(FFF7D)	Ratio: 2.31 Failed <sup>5</sup>	Ratio: 1.06 Failed <sup>5</sup>	Ratio: 1.29 Failed <sup>5</sup>		Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.03 Failed <sup>5</sup>	Ratio: 1.05 Failed <sup>5</sup>
Hex(FFF99)	Ratio: 2.33 Failed <sup>5</sup>	Ratio: 1.05 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>		Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>
Hex(FFFB5)	Ratio: 2.35 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>		Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.03 Failed <sup>5</sup>
Hex(FFFD1)	Ratio: 2.38 Failed <sup>5</sup>	Ratio: 1.03 Failed <sup>5</sup>	Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.03 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>		Ratio: 1.02 Failed <sup>5</sup>
Hex(FFFEE)	Ratio: 2.42 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.35 Failed <sup>5</sup>	Ratio: 1.05 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>	Ratio: 1.03 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

<sup>1</sup> AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>2</sup> AA 18pt

AA level for large text above 18pt.

<sup>3</sup> AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>4</sup> AAA 18pt

AAA level for large text above 18pt.

<sup>5</sup> Failed

Failed to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

<sup>6</sup> Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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