

# Converting Colors - WCAG Matrix

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

**Hex(909090) Hex(767676) Hex(5E5E5E) Hex(464646) Hex(303030) Hex(1B1B1B) Hex(FFFFFF)**

	Hex(909090)	Hex(767676)	Hex(5E5E5E)	Hex(464646)	Hex(303030)	Hex(1B1B1B)	Hex(FFFFFF)
Hex(909090)		<a href="#">Ratio: 1.42</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.96</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.13</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 5.40</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 3.19</a> AA 18pt <sup>2</sup>
Hex(767676)	<a href="#">Ratio: 1.42</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.43</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.08</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.91</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.79</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 4.54</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(5E5E5E)	<a href="#">Ratio: 2.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.43</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.46</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.04</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.66</a> Failed <sup>5</sup>	<a href="#">Ratio: 6.48</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(464646)	<a href="#">Ratio: 2.96</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.08</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.46</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.40</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.82</a> Failed <sup>5</sup>	<a href="#">Ratio: 9.44</a> Passed <sup>6</sup>
Hex(303030)	<a href="#">Ratio: 4.13</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.91</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.04</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.40</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.31</a> Failed <sup>5</sup>	<a href="#">Ratio: 13.20</a> Passed <sup>6</sup>
Hex(1B1B1B)	<a href="#">Ratio: 5.40</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 3.79</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.66</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.82</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.31</a> Failed <sup>5</sup>		<a href="#">Ratio: 17.22</a> Passed <sup>6</sup>
Hex(FFFFFF)	<a href="#">Ratio: 3.19</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 4.54</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 6.48</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 9.44</a> Passed <sup>6</sup>	<a href="#">Ratio: 13.20</a> Passed <sup>6</sup>	<a href="#">Ratio: 17.22</a> Passed <sup>6</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

Fails 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.

This PDF was generated on [convertingcolors.com](https://convertingcolors.com).