

Converting Colors

CIELCh(68, 9.040, 209.430)

Have a look what the booklet for
CIELCh(68, 9.040, 209.430) contains.

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Color

CIELCh(68, 8.777, 209.641)

Conversions

Conversions Part 1

Format	Color
Hex	92AAAD
RGB	146, 170, 173
RGB Percent	57%, 67%, 68%
CMY	0.4267, 0.3326, 0.3208
CMYK	0.16, 0.02, 0.00, 0.32
HSL	187°, 14%, 63%
HSV	187°, 16%, 68%
XYZ	33.8578, 37.9720, 45.1752
YIQ	163.1660, -15.2670, -4.1550

Conversions

Conversions Part 2

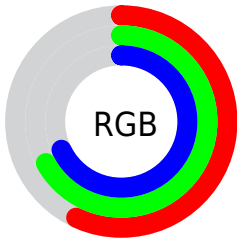
Format	Color
RYB	146, 159, 173
Decimal	9611949
CIELab	68.00, -7.63, -4.34
CIElCh	68, 8.777, 209.641
Yxy	37.9720, 0.2894, 0.3245
Android (android.graphics.Color)	4287802029 (0xFF92AAAD)
YUV	163.1660, 4.8482, -15.0546
Hunter-Lab	61.6215, -9.7611, -0.3310

Details

The CIELCh color **68, 8.777, 209.641** is a light color, and the websafe version is hex **999999**. A complement of this color would be **64, 9.723, 30.066**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 8.751, 209.239**, and **48, 8.846, 210.111** is the 20% darker color. If you saturate the color by 10%, you get **66, 13.946, 209.642**, and if you desaturate by 10%, it is **70, 3.233, 209.801**.

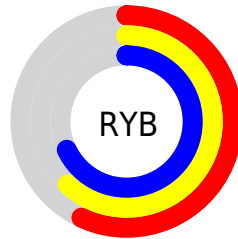
Distribution



Red (57%)

Green (67%)

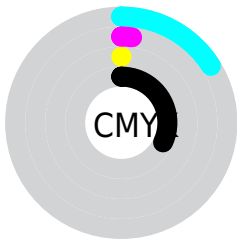
Blue (68%)



Red (57%)

Yellow (62%)

Blue (68%)

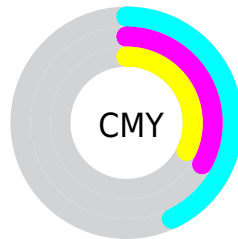


Cyan (16%)

Magenta (2%)

Yellow (0%)

Black (32%)



Cyan (43%)

Magenta (33%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 8.777, 209.641 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 68, 8.777, 209.641 by changing the saturation by 10% instead.

■ 68, 8.777, 209.641

■ 68, 8.777, 209.641

■ 100, 8.777,
209.641

■ 58, 8.777, 209.641

■ 88, 8.777, 209.641

■ 48, 8.777, 209.641

■ 98, 8.777, 209.641

■ 38, 8.777, 209.641

■ 28, 8.777, 209.641

■ 18, 8.777, 209.641

■ 8, 8.777, 209.641

■ 0, 8.777, 209.641

■ 68, 8.777, 209.641

■ 68, 8.777, 209.641

■ 66, 13.946,

■ 70, 3.233, 209.801

209.642

72, 2.604, 29.608

65, 18.650,
209.795

74, 8.661, 29.958

63, 22.794,
210.114

76, 14.877, 30.246

62, 26.293,
210.633

78, 21.200, 30.553

61, 29.078,
211.390

80, 27.589, 30.881

81, 29.023, 32.461

81, 28.524, 34.599

60, 31.108,
212.429

82, 28.068, 36.812

59, 32.387,
213.792

58, 32.983,
215.512

58, 33.151,
216.326

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



68, 8.777, 209.641



64, 9.723, 30.066

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 8.777, 209.641



68, 8.777, 259.641



68, 8.777, 29.641



68, 8.777, 79.641

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



68, 8.777, 209.631



88, 3.573, 209.822



68, 16.955, 146.300



47, 2.431, 209.794



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68, 8.777, 209.631



85, 13.055, 209.619



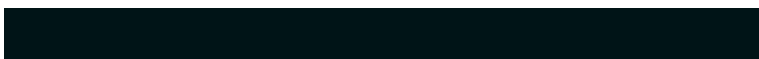
64, 9.735, 267.598



36, 3.246, 209.703



51, 29.913, 216.072



5, 6.788, 214.683

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



64, 16.856, 328.491



79, 25.389, 328.713



67, 9.890, 83.431



34, 6.107, 328.116



34, 71.560, 333.122



2, 12.421, 329.084

Previews

White Background



This preview shows how the CIELCh color 68, 8.777, 209.641 looks on a white background.

Color Contrast Check

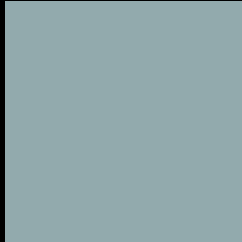
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 68, 8.777, 209.641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 8.777, 209.641

Background



This preview shows how black text looks on a background with the CIELCh color 68, 8.777, 209.641.

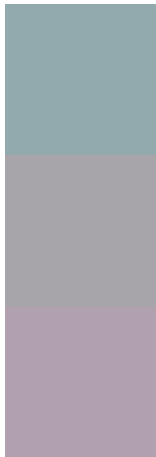


This preview shows how white text looks on a background with the CIELCh color 68, 8.777, 209.641.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

68, 8.777, 209.641

Protanopia

68, 2.870, 305.616

Deuteranopia

68, 9.818, 328.540



Tritanopia
68, 10.164, 243.945

Trichromacy



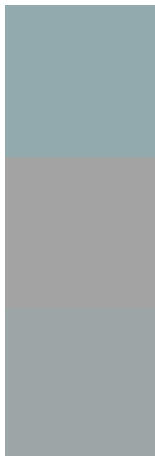
Original Color
68, 8.777, 209.641

Protanomaly
68, 3.658, 236.411

Deuteranomaly
68, 5.579, 298.384

Tritanomaly
68, 9.445, 234.730

Monochromacy



Original Color
68, 8.777, 209.641

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 3.389, 208.638

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 8.777, 209.641 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(146, 170, 173)` looks like.

```
.text, #text, p{  
    color:rgb(146, 170, 173)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(146, 170, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 170, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 8.777, 209.641 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(146, 170, 173) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(146, 170, 173) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(146, 170, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 170, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 170, 173);  
box-shadow:4px 4px 4px 4px rgb(146, 170,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 8.777, 209.641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 170, 173) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(146,  
170, 173) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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