

Converting Colors

CIELCh(68, 9.689, 194.858)

Have a look what the booklet for
CIELCh(68, 9.689, 194.858) contains.

CIELCh(68, 9.820, 195.388)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(68, 9.820, 195.388)

Conversions

Conversions Part 1

Format	Color
Hex	90ABAA
RGB	144, 171, 170
RGB Percent	56%, 67%, 67%
CMY	0.4352, 0.3293, 0.3332
CMYK	0.16, 0.00, 0.01, 0.33
HSL	178°, 14%, 62%
HSV	178°, 16%, 67%
XYZ	33.3334, 37.9720, 43.6172
YIQ	162.8130, -15.7710, -6.0350

Conversions

Conversions Part 2

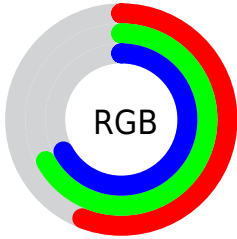
Format	Color
RYB	144, 158, 171
Decimal	9481130
CIELab	68.00, -9.47, -2.61
CIElCh	68, 9.820, 195.388
Yxy	37.9720, 0.2901, 0.3304
Android (android.graphics.Color)	4287671210 (0xFF90ABAA)
YUV	162.8130, 3.5432, -16.4990
Hunter-Lab	61.6215, -11.2802, 1.1681

Details

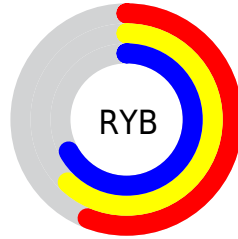
The CIELCh color $68, 9.820, 195.388$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $62, 10.782, 17.478$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 9.743, 195.708$, and $48, 9.953, 194.926$ is the 20% darker color. If you saturate the color by 10%, you get $67, 15.573, 194.763$, and if you desaturate by 10%, it is $69, 3.686, 196.083$.

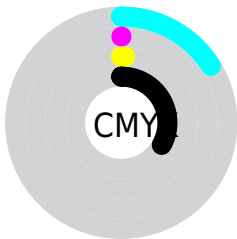
Distribution



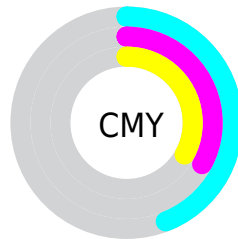
- Red (56%)
- Green (67%)
- Blue (67%)



- Red (56%)
- Yellow (62%)
- Blue (67%)



- Cyan (16%)
- Magenta (0%)
- Yellow (1%)
- Black (33%)



- Cyan (44%)
- Magenta (33%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 9.820, 195.388 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, 9.820, 195.388 by changing the saturation by 10% instead.

■ 68, 9.820, 195.388 ■ 68, 9.820, 195.388

■ 100, 9.820,
195.388 ■ 58, 9.820, 195.388

■ 88, 9.820, 195.388 ■ 48, 9.820, 195.388

■ 98, 9.820, 195.388 ■ 38, 9.820, 195.388

■ 28, 9.820, 195.388

■ 18, 9.820, 195.388

■ 8, 9.820, 195.388

■ 0, 9.820, 195.388

■ 68, 9.820, 195.388 ■ 68, 9.820, 195.388

■ 67, 15.573, ■ 69, 3.686, 196.083

194.763

71, 2.735, 16.410

66, 20.842,
194.179

72, 9.358, 17.185

65, 25.525,
193.622

74, 16.111, 17.864

75, 22.934, 18.535

65, 29.531,
193.091

77, 29.781, 19.200

64, 32.789,
192.581

78, 33.104, 19.228

78, 33.074, 18.652

64, 35.264,
192.083

78, 33.048, 18.075

63, 36.960,
191.590

63, 37.947,
191.089

63, 38.269,
190.879

Harmonies

Complementary

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



68, 9.820, 195.388



62, 10.782, 17.478

Rectangle

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



68, 9.820, 195.388



68, 9.820, 245.388



68, 9.820, 15.388



68, 9.820, 65.388

Sweetspot

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



68, 9.821, 195.380



88, 3.940, 196.145



67, 17.916, 142.212



47, 2.706, 196.084



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, 9.821, 195.380



86, 14.462, 195.156



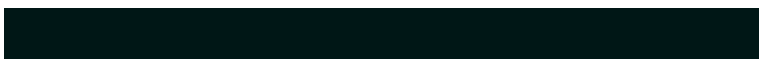
65, 8.517, 251.880



36, 3.618, 195.813



56, 34.812, 190.933



6, 7.834, 194.902

Inverse Universe

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



62, 10.782, 17.478



77, 16.240, 17.819



65, 8.977, 68.003



34, 3.819, 16.902



31, 68.635, 37.951



2, 7.814, 16.885

Previews

White Background



This preview shows how the CIELCh color 68, 9.820, 195.388 looks on a white background.

Color Contrast Check

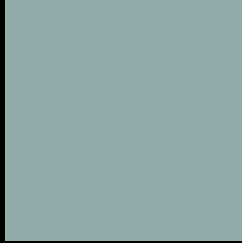
Large Text (above 18pt) WCAG AA × Fail

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, 9.820, 195.388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

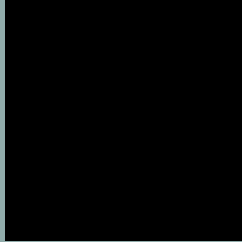
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

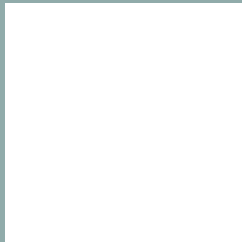
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 9.820, 195.388

Background



This preview shows how black text looks on a background with the CIELCh color 68, 9.820, 195.388.



This preview shows how white text looks on a background with the CIELCh color 68, 9.820, 195.388.

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





Tritanopia
68, 11.001, 243.647

Trichromacy



Original Color
68, 9.820, 195.388

Protanomaly
68, 2.989, 199.307

Deuteranomaly
68, 3.948, 301.490

Tritanomaly
68, 9.809, 225.586

Monochromacy



Original Color
68, 9.820, 195.388

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 3.730, 199.208

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 9.820, 195.388 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(144, 171, 170)` looks like.

```
.text, #text, p{  
    color:rgb(144, 171, 170)  
}
```

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(144, 171, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 171, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 9.820, 195.388 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(144, 171, 170) }
```

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

```
.border{ border-color:rgb(144, 171, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 171, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 171, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 171, 170);  
box-shadow:4px 4px 4px 4px rgb(144, 171,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 9.820, 195.388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 171, 170) }
```

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

```
.background{ background-color: rgb(144,  
171, 170) }
```

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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