

Converting Colors

CIELCh(68, 8.696, 198.705)

Have a look what the booklet for
CIELCh(68, 8.696, 198.705) contains.

CIELCh(68, 8.731, 198.716)	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, 8.731, 198.716)

Conversions

Conversions Part 1

Format	Color
Hex	92AAAA
RGB	146, 170, 170
RGB Percent	57%, 67%, 67%
CMY	0.4258, 0.3317, 0.3317
CMYK	0.14, 0.00, 0.00, 0.33
HSL	180°, 12%, 62%
HSV	180°, 14%, 67%
XYZ	33.6745, 37.9720, 43.7912
YIQ	162.8240, -14.3040, -5.0880

Conversions

Conversions Part 2

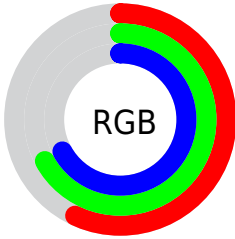
Format	Color
RYB	146, 158, 170
Decimal	9611946
CIELab	68.00, -8.27, -2.80
CIElCh	68, 8.731, 198.716
Yxy	37.9720, 0.2917, 0.3289
Android (android.graphics.Color)	4287802026 (0xFF92AAAA)
YUV	162.8240, 3.5378, -14.7546
Hunter-Lab	61.6215, -10.2921, 1.0007

Details

The CIELCh color **68, 8.731, 198.716** is a light color, and the websafe version is hex **999999**. A complement of this color would be **63, 9.543, 20.279**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 8.697, 198.871**, and **48, 8.819, 198.469** is the 20% darker color. If you saturate the color by 10%, you get **67, 14.475, 198.204**, and if you desaturate by 10%, it is **69, 2.598, 199.361**.

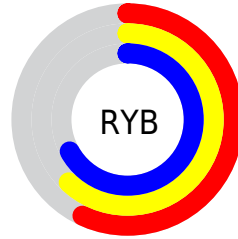
Distribution



Red (57%)

Green (67%)

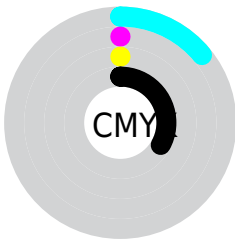
Blue (67%)



Red (57%)

Yellow (62%)

Blue (67%)

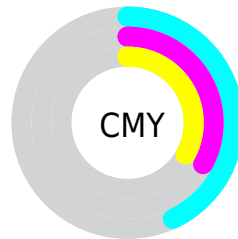


Cyan (14%)

Magenta (0%)

Yellow (0%)

Black (33%)



Cyan (43%)

Magenta (33%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 8.731, 198.716 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, 8.731, 198.716 by changing the saturation by 10% instead.

■ 68, 8.731, 198.716

■ 68, 8.731, 198.716

■ 100, 8.731,
198.716

■ 58, 8.731, 198.716

■ 88, 8.731, 198.716

■ 48, 8.731, 198.716

■ 98, 8.731, 198.716

■ 38, 8.731, 198.716

■ 28, 8.731, 198.716

■ 18, 8.731, 198.716

■ 8, 8.731, 198.716

■ 0, 8.731, 198.716

■ 68, 8.731, 198.716

■ 68, 8.731, 198.716

■ 67, 14.475,

■ 69, 2.598, 199.361

198.204

71, 3.833, 19.600

66, 19.728,
197.761

72, 10.476, 20.262

65, 24.392,
197.378

74, 17.261, 20.879

65, 28.376,
197.056

75, 24.129, 21.498

64, 31.613,
196.798

77, 31.031, 22.120

78, 33.600, 22.350

64, 34.066,
196.604

78, 33.600, 22.348

78, 33.600, 22.347

63, 35.739,
196.473

63, 36.689,
196.398

63, 37.056,
196.369

Harmonies

Complementary

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



68, 8.731, 198.716



63, 9.543, 20.279

Rectangle

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



68, 8.731, 198.716



68, 8.731, 248.716



68, 8.731, 18.716



68, 8.731, 68.716

Sweetspot

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



68, 8.732, 198.707



88, 3.149, 199.363



67, 16.104, 143.184



47, 2.252, 199.294



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, 8.732, 198.707



86, 12.937, 198.537



65, 7.779, 255.483



35, 3.516, 198.982



55, 33.390, 196.369



5, 6.572, 199.408

Inverse Universe

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



63, 9.543, 20.279



78, 14.449, 20.551



66, 8.085, 71.888



33, 3.724, 19.897



30, 69.022, 39.355



1, 6.572, 19.397

Previews

White Background



This preview shows how the CIELCh color 68, 8.731, 198.716 looks on a white background.

Color Contrast Check

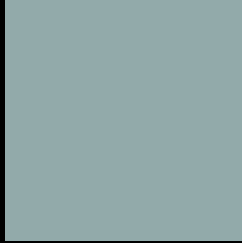
Large Text (above 18pt) WCAG AA × Fail

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, 8.731, 198.716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

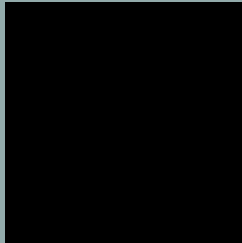
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 8.731, 198.716

Background



This preview shows how black text looks on a background with the CIELCh color 68, 8.731, 198.716.



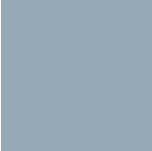
This preview shows how white text looks on a background with the CIELCh color 68, 8.731, 198.716.

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, 9.926, 245.346

Trichromacy



Original Color
68, 8.731, 198.716

Protanomaly
68, 2.662, 211.317

Deuteranomaly
68, 4.039, 306.704

Tritanomaly
68, 8.907, 228.614

Monochromacy



Original Color
68, 8.731, 198.716

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 3.361, 199.254

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 8.731, 198.716 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(146, 170, 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(146, 170, 170) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 68, 8.731, 198.716 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, 170) }
```

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

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

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, 170)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 68, 8.731, 198.716 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, 170) }
```

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

```
.background{ background-color: rgb(146,  
170, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor