

Converting Colors

CIELCh(68, 31.215, 250.439)

Have a look what the booklet for
CIELCh(68, 31.215, 250.439)
contains.

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Color

CIELCh(68, 31.166, 249.903)

Conversions

Conversions Part 1

Format	Color
Hex	64AEDA
RGB	100, 174, 218
RGB Percent	39%, 68%, 85%
CMY	0.6084, 0.3182, 0.1457
CMYK	0.54, 0.20, 0.00, 0.15
HSL	202°, 61%, 62%
HSV	202°, 54%, 85%
XYZ	32.9826, 37.9720, 71.8185
YIQ	156.8900, -58.2280, -2.0040

Conversions

Conversions Part 2

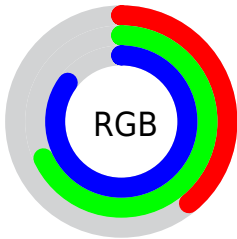
Format	Color
R _{YB}	100, 145, 218
Decimal	6598362
CIE _{Lab}	68.00, -10.71, -29.27
CIE _{LCh}	68, 31.166, 249.903
Yxy	37.9720, 0.2310, 0.2660
Android (android.graphics.Color)	4284788442 (0xFF64AEDA)
YUV	156.8900, 30.1272, -49.8925
Hunter-Lab	61.6215, -12.2961, -25.9662

Details

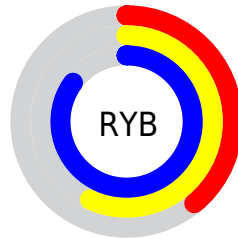
The CIELCh color **68, 31.166, 249.903** is a light color, and the websafe version is hex **3399CC**. A complement of this color would be **66, 41.899, 55.984**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 25.138, 231.227**, and **48, 31.104, 249.590** is the 20% darker color. If you saturate the color by 10%, you get **65, 35.773, 253.034**, and if you desaturate by 10%, it is **71, 26.150, 247.328**.

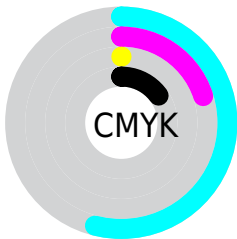
Distribution



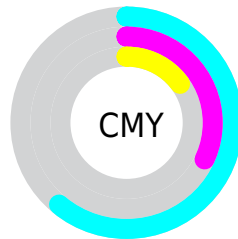
- Red (39%)
- Green (68%)
- Blue (85%)



- Red (39%)
- Yellow (57%)
- Blue (85%)



- Cyan (54%)
- Magenta (20%)
- Yellow (0%)
- Black (15%)





- Cyan (61%)
- Magenta (32%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 31.166, 249.903 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, 31.166, 249.903 by changing the saturation by 10% instead.


 68, 31.166,
249.903


 68, 31.166,
249.903


 100, 31.166,
249.903


 58, 31.166,
249.903


 88, 31.166,
249.903

 48, 31.166,
249.903

 98, 31.166,
249.903

 38, 31.166,
249.903

 28, 31.166,
249.903

 18, 31.166,
249.903

 8, 31.166, 249.903

 0, 31.166, 249.903

68, 31.166,
249.903

68, 31.166,
249.903

65, 35.773,
253.034

71, 26.150,
247.328

62, 39.999,
256.784

75, 20.746,
245.232

59, 43.929,
261.160

78, 14.995,
243.535

56, 47.709,
266.079

82, 8.953, 242.170

85, 2.676, 241.168

55, 49.954,
269.022

89, 3.782, 59.928

93, 10.374, 59.249

95, 12.282, 80.197

97, 15.090, 97.677

Harmonies

Complementary

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



68, 31.166, 249.903



66, 41.899, 55.984

Rectangle

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



68, 31.166, 249.903



68, 31.166, 299.903



68, 31.166, 69.903



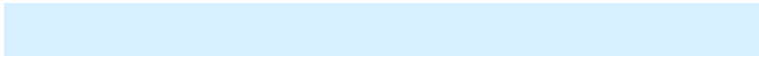
68, 31.166, 119.903

Sweetspot

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



68, 31.165, 249.902



93, 11.452, 242.415



79, 56.669, 151.605



49, 7.703, 242.686



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 31.165, 249.902



75, 40.985, 253.526



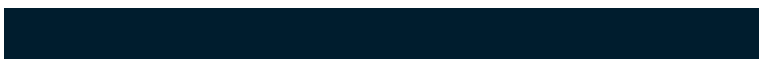
52, 59.154, 293.105



44, 3.636, 241.634



44, 41.661, 268.156



10, 14.901, 257.454

Inverse Universe

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



59, 57.390, 342.281



64, 75.257, 343.784



81, 52.829, 98.115



43, 6.157, 338.044



38, 66.355, 350.454



6, 26.760, 345.660

Previews

White Background



This preview shows how the CIE LCh color 68, 31.166, 249.903 looks on a white background.

Color Contrast Check

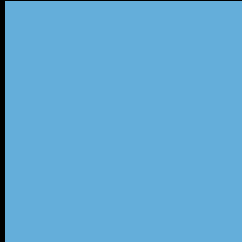
Large Text (above 18pt) WCAG AA × Fail

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, 31.166, 249.903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

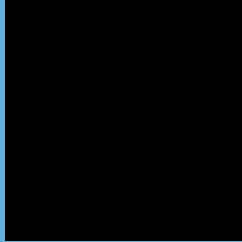
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

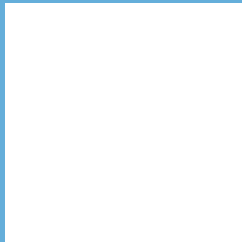
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 31.166, 249.903

Background



This preview shows how black text looks on a background with the CIELCh color 68, 31.166, 249.903.

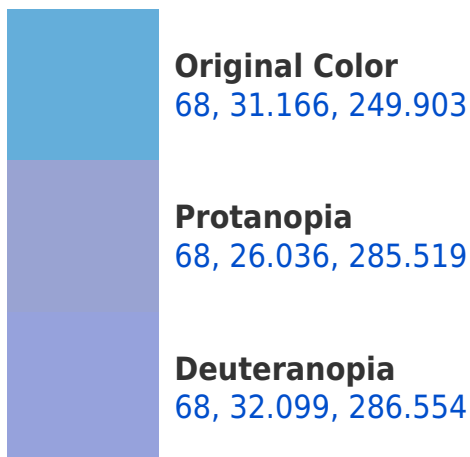


This preview shows how white text looks on a background with the CIELCh color 68, 31.166, 249.903.

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](#).

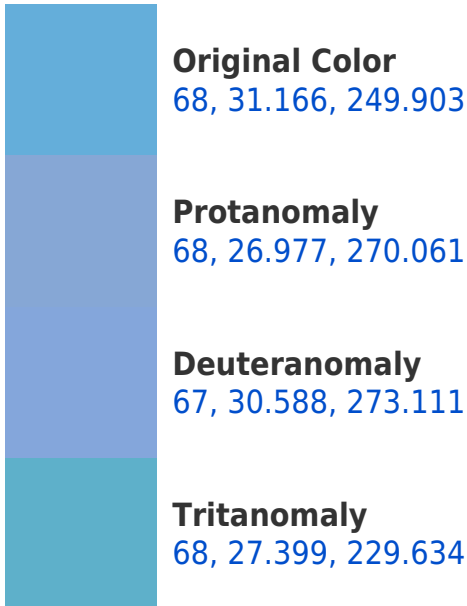
Dichromacy



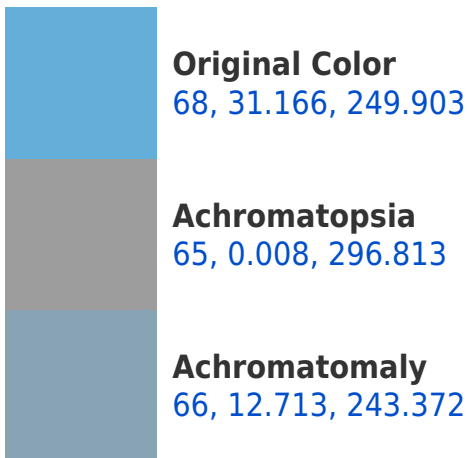


Tritanopia
68, 26.999, 215.485

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 31.166, 249.903 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(100, 174, 218)` looks like.

```
.text, #text, p{  
    color:rgb(100, 174, 218)  
}
```

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(100, 174, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 174, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 31.166, 249.903 is called "border". The border property can be set on classes, ids or directly on the HTML element.

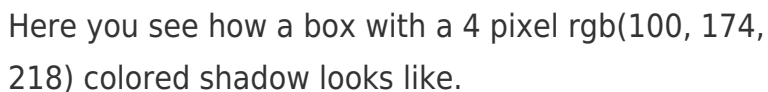
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(100, 174, 218) }
```

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

```
.border{ border-color:rgb(100, 174, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(100, 174, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 174, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 174, 218); box-shadow:4px 4px 4px 4px rgb(100, 174, 218) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 31.166, 249.903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 174, 218) }
```

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

```
.background{ background-color: rgb(100,  
174, 218) }
```

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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