

# Converting Colors

CIELCh(69, 31.206, 250.909)

Have a look what the booklet for  
CIELCh(69, 31.206, 250.909)  
contains.

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**Color**

**CIELCh(69, 31.245, 251.240)**

# Conversions

## Conversions Part 1

Format	Color
Hex	68B0DD
RGB	104, 176, 221
RGB Percent	41%, 69%, 87%
CMY	0.5911, 0.3088, 0.1323
CMYK	0.53, 0.20, 0.00, 0.13
HSL	203°, 63%, 64%
HSV	203°, 53%, 87%
XYZ	34.4024, 39.3444, 74.3739
YIQ	159.6020, -57.3570, -1.2690

# Conversions

## Conversions Part 2

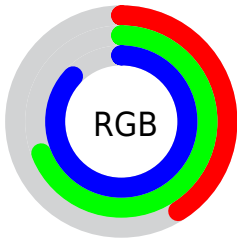
Format	Color
<a href="#">RYB</a>	104, 149, 221
Decimal	6861021
CIELab	69.00, -10.05, -29.59
CIELCh	69, 31.245, 251.240
Yxy	39.3444, 0.2323, 0.2656
Android (android.graphics.Color)	4285051101 (0xFF68B0DD)
YUV	159.6020, 30.2692, -48.7630
Hunter-Lab	62.7251, -11.8684, -26.3933

# Details

The CIELCh color **69, 31.245, 251.240** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **68, 41.184, 57.258**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 24.281, 228.051**, and **49, 31.202, 250.950** is the 20% darker color. If you saturate the color by 10%, you get **66, 36.092, 254.344**, and if you desaturate by 10%, it is **72, 26.011, 248.681**.

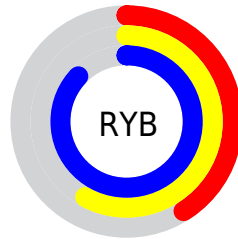
# Distribution



Red (41%)

Green (69%)

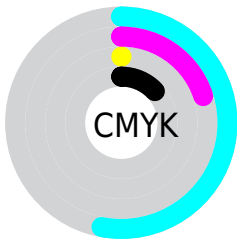
Blue (87%)



Red (41%)

Yellow (58%)

Blue (87%)

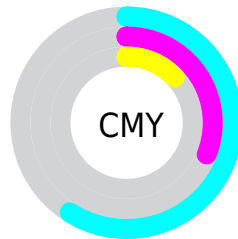


Cyan (53%)

Magenta (20%)

Yellow (0%)

Black (13%)



Cyan (59%)

Magenta (31%)


Yellow (13%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 31.245, 251.240 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 69, 31.245, 251.240 by changing the saturation by 10% instead.




 69, 31.245,  
251.240


 69, 31.245,  
251.240


 100, 31.245,  
251.240


 59, 31.245,  
251.240


 89, 31.245,  
251.240

 49, 31.245,  
251.240

 99, 31.245,  
251.240

 39, 31.245,  
251.240

 29, 31.245,  
251.240

 19, 31.245,  
251.240

 9, 31.245, 251.240

 0, 31.245, 251.240

69, 31.245,  
251.240

69, 31.245,  
251.240

66, 36.092,  
254.344

72, 26.011,  
248.681

63, 40.580,  
258.055

76, 20.412,  
246.592

60, 44.787,  
262.382

80, 14.488,  
244.895

57, 48.856,  
267.245

83, 8.293, 243.526

87, 1.881, 242.587

55, 51.803,  
270.837

91, 4.697, 61.283

94, 10.267, 66.226

97, 12.392, 90.858

99, 16.025,  
106.168



# Harmonies

# Complementary

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



69, 31.245, 251.240



68, 41.184, 57.258

# Rectangle

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



69, 31.245, 251.240



69, 31.245, 301.240



69, 31.245, 71.240



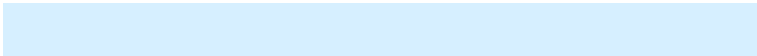
69, 31.245, 121.240

# Sweetspot

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



69, 31.244, 251.239



93, 11.505, 243.938



80, 55.382, 152.483



49, 7.741, 244.217



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



69, 31.244, 251.239



75, 40.500, 254.559



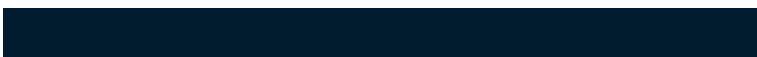
53, 59.541, 293.561



44, 3.650, 243.129



43, 42.646, 269.926



9, 15.147, 259.232



# Inverse Universe

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



60, 56.497, 342.770



64, 73.052, 344.180



83, 53.053, 99.221



43, 6.105, 338.592



38, 65.966, 351.445



6, 26.571, 346.434



# Previews

## White Background



This preview shows how the CIELCh color 69, 31.245, 251.240 looks on a white background.

## Color Contrast Check

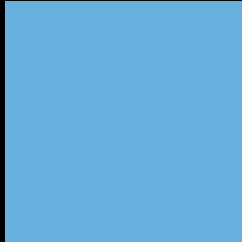
Large Text (above 18pt) WCAG AA × Fail

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 69, 31.245, 251.240 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

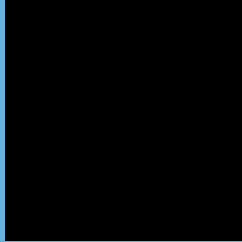
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

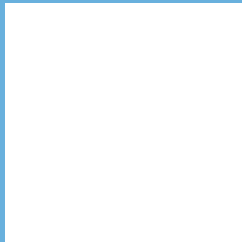
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 69, 31.245, 251.240

## Background



This preview shows how black text looks on a background with the CIELCh color 69, 31.245, 251.240.

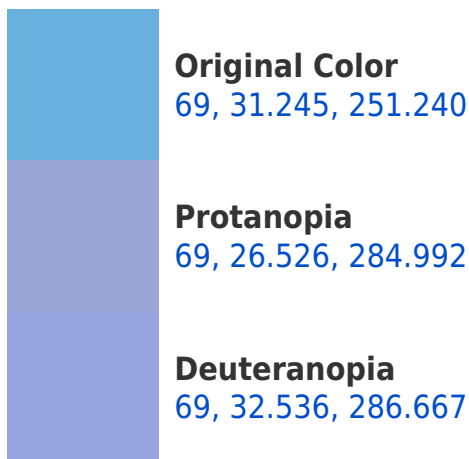


This preview shows how white text looks on a background with the CIELCh color 69, 31.245, 251.240.

# 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

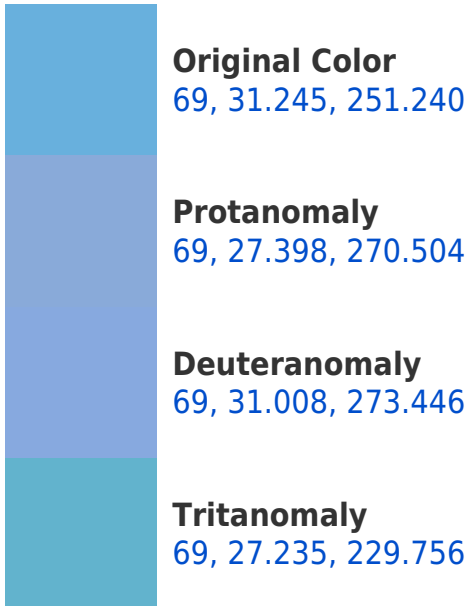




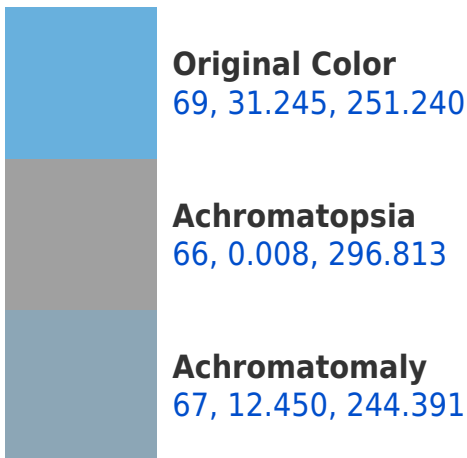


**Tritanopia**  
69, 26.767, 214.357

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 31.245, 251.240 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(104, 176, 221)` looks like.

```
.text, #text, p{  
    color:rgb(104, 176, 221)  
}
```

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(104, 176, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 176, 221) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 31.245, 251.240 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(104, 176, 221) }
```

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

```
.border{ border-color:rgb(104, 176, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 176, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(104, 176, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(104, 176, 221); box-shadow:4px 4px 4px 4px rgb(104, 176, 221) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 31.245, 251.240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 176, 221) }
```

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

```
.background{ background-color: rgb(104,  
176, 221) }
```

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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