

Converting Colors

CIELCh(67, 23.062, 239.047)

Have a look what the booklet for
CIELCh(67, 23.062, 239.047)
contains.

CIELCh(67, 23.150, 238.712)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(67, 23.150, 238.712)

Conversions

Conversions Part 1

Format	Color
Hex	70ABC6
RGB	112, 171, 198
RGB Percent	44%, 67%, 78%
CMY	0.5609, 0.3295, 0.2237
CMYK	0.43, 0.14, 0.00, 0.22
HSL	199°, 43%, 61%
HSV	199°, 43%, 78%
XYZ	31.4240, 36.6320, 58.8203
YIQ	156.4370, -43.8310, -4.1110

Conversions

Conversions Part 2

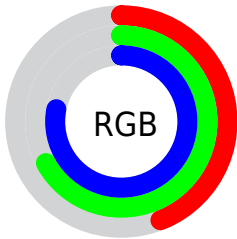
Format	Color
RYB	112, 147, 198
Decimal	7384006
CIELab	67.00, -12.02, -19.78
CIElCh	67, 23.150, 238.712
Yxy	36.6320, 0.2477, 0.2887
Android (android.graphics.Color)	4285574086 (0xFF70ABC6)
YUV	156.4370, 20.4906, -38.9712
Hunter-Lab	60.5244, -13.2411, -15.2536

Details

The CIELCh color **67, 23.150, 238.712** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **63, 30.275, 50.670**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 23.319, 239.399**, and **47, 23.085, 238.165** is the 20% darker color. If you saturate the color by 10%, you get **64, 27.435, 240.909**, and if you desaturate by 10%, it is **70, 18.405, 236.957**.

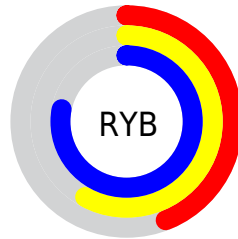
Distribution



Red (44%)

Green (67%)

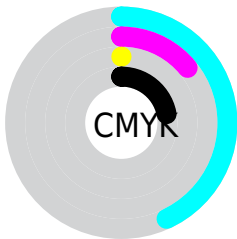
Blue (78%)



Red (44%)

Yellow (58%)

Blue (78%)

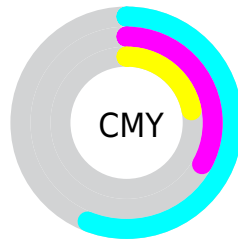


Cyan (43%)

Magenta (14%)

Yellow (0%)

Black (22%)



Cyan (56%)


Magenta (33%)


Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 23.150, 238.712 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 67, 23.150, 238.712 by changing the saturation by 10% instead.


 67, 23.150,
238.712


 67, 23.150,
238.712


 100, 23.150,
238.712


 57, 23.150,
238.712


 87, 23.150,
238.712

 47, 23.150,
238.712

 97, 23.150,
238.712

 37, 23.150,
238.712

 27, 23.150,
238.712

 17, 23.150,
238.712

 7, 23.150, 238.712

 0, 23.150, 238.712

67, 23.150,
238.712

67, 23.150,
238.712

64, 27.435,
240.909

70, 18.405,
236.957

62, 31.223,
243.643

73, 13.260,
235.569

59, 34.513,
246.996

76, 7.781, 234.486

57, 37.359,
251.020

79, 2.033, 233.785

82, 3.926, 52.717

55, 39.884,
255.697

85, 10.043, 52.236

54, 41.504,
258.937

88, 16.275, 51.810

90, 17.690, 61.408

92, 18.432, 73.388

Harmonies

Complementary

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



67, 23.150, 238.712



63, 30.275, 50.670

Rectangle

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



67, 23.150, 238.712



67, 23.150, 288.712



67, 23.150, 58.712



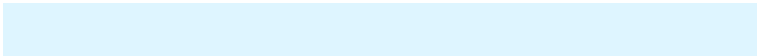
67, 23.150, 108.712

Sweetspot

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



67, 23.149, 238.710



95, 9.249, 234.463



73, 45.076, 150.406



50, 6.440, 234.680



0, 0.000, 0.000



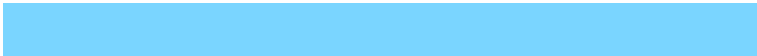
53, 0.007, 296.813

Same Dimension

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



67, 23.149, 238.710



81, 32.872, 240.749



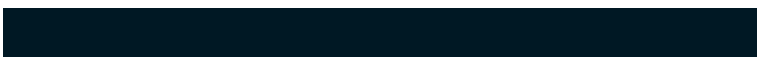
55, 39.577, 287.244



40, 3.324, 234.131



45, 35.700, 258.147



7, 11.486, 247.131

Inverse Universe

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



59, 45.138, 338.209



70, 65.227, 339.100



74, 37.372, 95.276



39, 5.924, 335.466



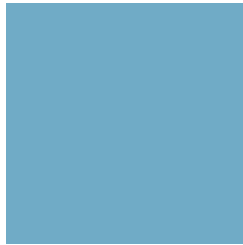
36, 65.648, 345.706



4, 20.325, 341.436

Previews

White Background



This preview shows how the CIE LCh color 67, 23.150, 238.712 looks on a white background.

Color Contrast Check

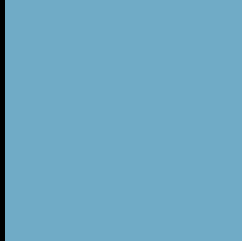
Large Text (above 18pt) WCAG AA × Fail

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 67, 23.150, 238.712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

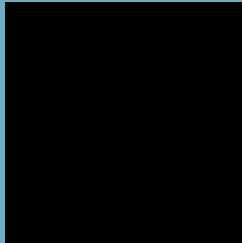
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 23.150, 238.712

Background



This preview shows how black text looks on a background with the CIELCh color 67, 23.150, 238.712.



This preview shows how white text looks on a background with the CIELCh color 67, 23.150, 238.712.

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

67, 23.150, 238.712

Protanopia

67, 16.650, 285.871

Deuteranopia

67, 23.255, 292.545



Tritanopia
67, 21.626, 219.015

Trichromacy



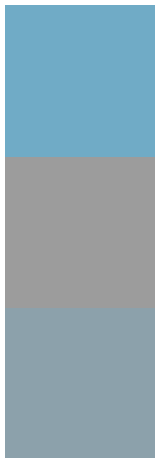
Original Color
67, 23.150, 238.712

Protanomaly
67, 17.831, 263.640

Deuteranomaly
67, 21.381, 273.246

Tritanomaly
67, 21.895, 226.914

Monochromacy



Original Color
67, 23.150, 238.712

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 9.232, 236.079

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 23.150, 238.712 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(112, 171, 198)` looks like.

```
.text, #text, p{  
    color:rgb(112, 171, 198)  
}
```

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(112, 171, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 171, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 23.150, 238.712 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(112, 171, 198) }
```

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

```
.border{ border-color:rgb(112, 171, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 171, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 171, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 171, 198);  
box-shadow:4px 4px 4px 4px rgb(112, 171,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 23.150, 238.712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 171, 198) }
```

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

```
.background{ background-color: rgb(112,  
171, 198) }
```

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