

# Converting Colors

CIELCh(69, 23.435, 218.531)

Have a look what the booklet for  
CIELCh(69, 23.435, 218.531)  
contains.

<b>CIELCh(69, 23.435, 218.556)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	20
<b><i>Color Blindness Simulation</i></b> .....	23
<b><i>CSS Examples</i></b> .....	26

# Color

**CIELCh(69, 23.435, 218.556)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6CB3C2
RGB	108, 179, 194
RGB Percent	42%, 70%, 76%
CMY	0.5763, 0.2979, 0.2391
CMYK	0.44, 0.08, 0.00, 0.24
HSL	190°, 41%, 59%
HSV	190°, 44%, 76%
XYZ	32.0601, 39.3444, 56.9676
YIQ	159.4810, -47.1310, -10.3870

# Conversions

## Conversions Part 2

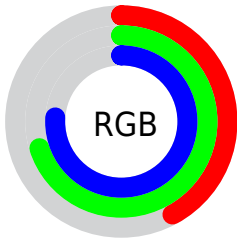
Format	Color
R <sub>Y</sub> B	108, 147, 194
Decimal	7123906
CIE Lab	69.00, -18.33, -14.61
CIE LCh	69, 23.435, 218.556
Yxy	39.3444, 0.2497, 0.3065
Android (android.graphics.Color)	4285313986 (0xFF6CB3C2)
YUV	159.4810, 17.0179, -45.1488
Hunter-Lab	62.7251, -18.5338, -9.9402

# Details

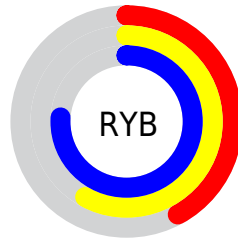
The CIELCh color **69, 23.435, 218.556** is a light color, and the websafe version is hex **669999**. A complement of this color would be **59, 32.597, 37.290**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 23.308, 217.814**, and **49, 23.322, 218.210** is the 20% darker color. If you saturate the color by 10%, you get **67, 27.244, 219.629**, and if you desaturate by 10%, it is **71, 18.976, 217.773**.

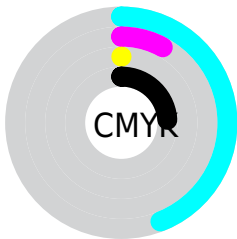
# Distribution



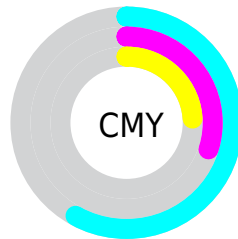
- Red (42%)
- Green (70%)
- Blue (76%)



- Red (42%)
- Yellow (58%)
- Blue (76%)



- Cyan (44%)
- Magenta (8%)
- Yellow (0%)
- Black (24%)




- Cyan (58%)
- Magenta (30%)
- Yellow (24%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 23.435, 218.556 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, 23.435, 218.556 by changing the saturation by 10% instead.





 69, 23.435,  
218.556


 69, 23.435,  
218.556


 100, 23.435,  
218.556


 59, 23.435,  
218.556


 89, 23.435,  
218.556

 49, 23.435,  
218.556

 99, 23.435,  
218.556

 39, 23.435,  
218.556

 29, 23.435,  
218.556

 19, 23.435,  
218.556

 9, 23.435, 218.556

 0, 23.435, 218.556

69, 23.435,  
218.556

69, 23.435,  
218.556

67, 27.244,  
219.629

71, 18.976,  
217.773

66, 30.332,  
221.065

73, 13.959,  
217.231

64, 32.657,  
222.935

75, 8.478, 216.890

77, 2.624, 216.811

63, 34.231,  
225.313

80, 3.522, 36.349

62, 35.133,  
228.257

82, 9.887, 36.428

61, 35.482,  
230.099

85, 16.413, 36.498

87, 19.910, 38.974

87, 19.361, 44.897

# Harmonies

# Complementary

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



69, 23.435, 218.556



59, 32.597, 37.290

# Rectangle

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



69, 23.435, 218.556



69, 23.435, 268.556



69, 23.435, 38.556



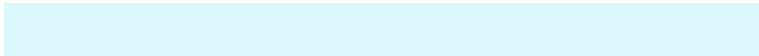
69, 23.435, 88.556

# Sweetspot

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



69, 23.435, 218.554



95, 9.561, 216.864



72, 49.980, 145.694



51, 6.702, 216.919



0, 0.000, 0.000



53, 0.007, 296.813

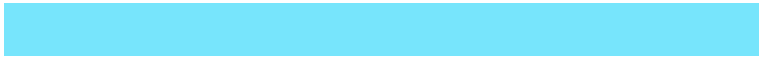


# Same Dimension

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



69, 23.435, 218.554



86, 33.005, 219.570



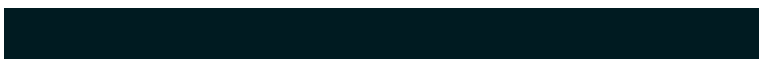
57, 33.429, 278.797



40, 3.398, 216.797



51, 30.838, 229.570



8, 10.513, 222.542





# Inverse Universe

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



58, 49.687, 332.459



69, 72.113, 333.102



69, 33.646, 85.334



38, 6.404, 330.189



36, 71.509, 336.533

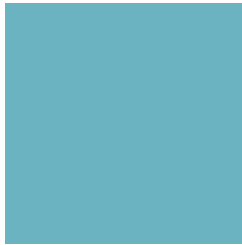


4, 20.531, 333.264



# Previews

## White Background



This preview shows how the CIE LCh color 69, 23.435, 218.556 looks on a white background.

## Color Contrast Check

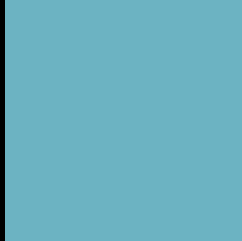
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 69, 23.435, 218.556 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

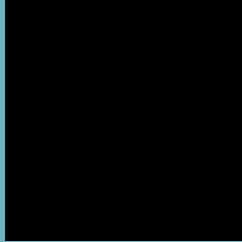
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 69, 23.435, 218.556**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 69, 23.435, 218.556.



This preview shows how white text looks on a background with the CIELCh color 69, 23.435, 218.556.

# 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

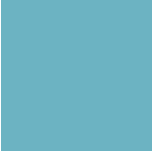
69, 23.435, 218.556

### Protanopia

69, 11.006, 289.423

### Deuteranopia

69, 18.290, 297.494



**Tritanopia**  
69, 23.435, 218.556



# Trichromacy



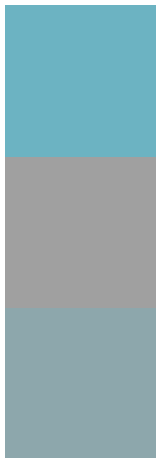
**Original Color**  
69, 23.435, 218.556

**Protanomaly**  
69, 13.358, 246.965

**Deuteranomaly**  
68, 16.401, 264.534

**Tritanomaly**  
69, 23.435, 218.556

# Monochromacy



**Original Color**  
69, 23.435, 218.556

**Achromatopsia**  
66, 0.008, 296.813

**Achromatomaly**  
67, 9.653, 215.410

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 23.435, 218.556 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(108, 179, 194)` looks like.

```
.text, #text, p{  
    color:rgb(108, 179, 194)  
}
```

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(108, 179, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 179, 194) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 23.435, 218.556 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(108, 179, 194) }
```

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

```
.border{ border-color:rgb(108, 179, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 179, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 179, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 179, 194);  
box-shadow:4px 4px 4px 4px rgb(108, 179,  
194) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 23.435, 218.556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 179, 194) }
```

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

```
.background{ background-color: rgb(108,  
179, 194) }
```

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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