

# Converting Colors

CIELCh(68, 15.301, 210.338)

Have a look what the booklet for  
CIELCh(68, 15.301, 210.338)  
contains.

<b>CIELCh(68, 15.085, 210.994)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(68, 15.085, 210.994)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82ADB3
RGB	130, 173, 179
RGB Percent	51%, 68%, 70%
CMY	0.4895, 0.3209, 0.2974
CMYK	0.27, 0.03, 0.00, 0.30
HSL	187°, 24%, 61%
HSV	187°, 27%, 70%
XYZ	32.3608, 37.9720, 48.3611
YIQ	160.8270, -27.5540, -7.2500

# Conversions

## Conversions Part 2

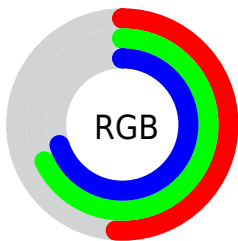
<b>Format</b>	<b>Color</b>
<b>RYB</b>	130, 153, 179
Decimal	8564147
CIELab	68.00, -12.93, -7.77
CIELCh	68, 15.085, 210.994
Yxy	37.9720, 0.2726, 0.3199
Android (android.graphics.Color)	4286754227 (0xFF82ADB3)
YUV	160.8270, 8.9593, -27.0353
Hunter-Lab	61.6215, -14.0975, -3.3963

# Details

The CIELCh color **68, 15.085, 210.994** is a light color, and the websafe version is hex **669999**. A complement of this color would be **61, 18.241, 31.661**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 15.033, 212.646**, and **48, 15.082, 209.251** is the 20% darker color. If you saturate the color by 10%, you get **66, 19.782, 211.244**, and if you desaturate by 10%, it is **70, 9.897, 210.891**.

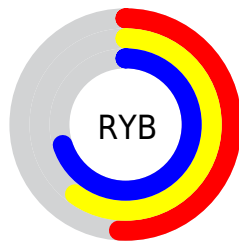
# Distribution



Red (51%)

Green (68%)

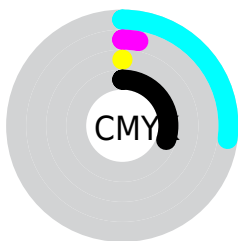
Blue (70%)



Red (51%)

Yellow (60%)

Blue (70%)

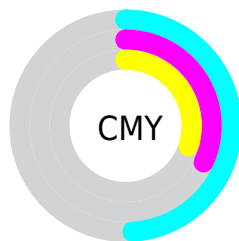


Cyan (27%)

Magenta (3%)

Yellow (0%)

Black (30%)



Cyan (49%)

Magenta (32%)


Yellow (30%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 15.085, 210.994 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, 15.085, 210.994 by changing the saturation by 10% instead.





 68, 15.085,  
210.994


 68, 15.085,  
210.994


 100, 15.085,  
210.994


 58, 15.085,  
210.994


 88, 15.085,  
210.994

 48, 15.085,  
210.994

 98, 15.085,  
210.994

 38, 15.085,  
210.994

 28, 15.085,  
210.994

 18, 15.085,  
210.994

 8, 15.085, 210.994

 0, 15.085, 210.994

68, 15.085,  
210.994

68, 15.085,  
210.994

66, 19.782,  
211.244

70, 9.897, 210.891

65, 23.894,  
211.684

72, 4.310, 210.960

74, 1.589, 30.612

64, 27.333,  
212.350

76, 7.724, 31.032

62, 30.035,  
213.286

78, 14.033, 31.279

80, 20.460, 31.547

61, 31.965,  
214.543

82, 26.731, 31.914

60, 33.139,  
216.168

83, 26.162, 34.577

83, 25.653, 37.356

60, 33.663,  
218.178

59, 33.767,

218.734

# Harmonies

# Complementary

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



68, 15.085, 210.994



61, 18.241, 31.661

# Rectangle

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



68, 15.085, 210.994



68, 15.085, 260.994



68, 15.085, 30.994



68, 15.085, 80.994

# Sweetspot

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



68, 15.085, 210.989



90, 5.778, 210.945



69, 30.272, 145.864



48, 4.123, 210.923



96, 0.011, 296.813



49, 0.007, 296.813





# Same Dimension

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



68, 15.085, 210.989



85, 21.921, 211.127



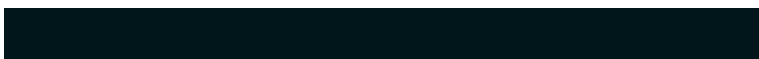
61, 17.961, 271.087



37, 3.294, 210.927



51, 30.079, 218.422



6, 7.833, 216.899



# Inverse Universe

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



60, 30.202, 329.561



74, 44.853, 329.935



67, 18.396, 83.395



35, 6.206, 328.475



35, 71.806, 333.702



2, 14.353, 329.808



# Previews

## White Background



This preview shows how the CIELCh color 68, 15.085, 210.994 looks on a white background.

## Color Contrast Check

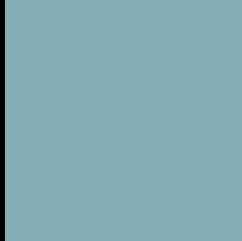
Large Text (above 18pt) WCAG AA × Fail

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, 15.085, 210.994 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

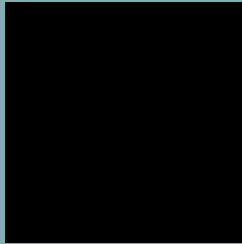
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

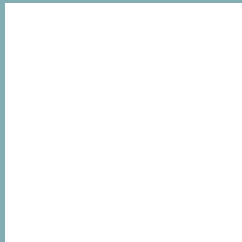
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 68, 15.085, 210.994**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 68, 15.085, 210.994.

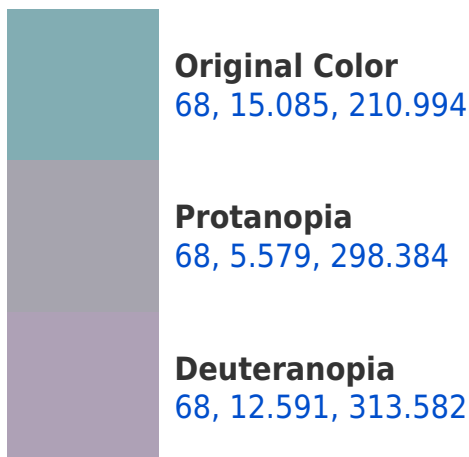


This preview shows how white text looks on a background with the CIELCh color 68, 15.085, 210.994.


# 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, 15.370, 228.766

# Trichromacy



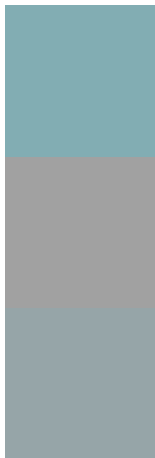
**Original Color**  
68, 15.085, 210.994

**Protanomaly**  
68, 7.008, 244.351

**Deuteranomaly**  
68, 9.123, 275.050

**Tritanomaly**  
68, 15.238, 224.279

# Monochromacy



**Original Color**  
68, 15.085, 210.994

**Achromatopsia**  
66, 0.008, 296.813

**Achromatomaly**  
67, 5.727, 215.909

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 68, 15.085, 210.994 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(130, 173, 179)` looks like.

```
.text, #text, p{  
    color:rgb(130, 173, 179)  
}
```

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(130, 173, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 173, 179) }
```

## Border

The CSS property to change the border of an element to CIELCh 68, 15.085, 210.994 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(130, 173, 179) }
```

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

```
.border{ border-color:rgb(130, 173, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 173, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 173, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 173, 179);  
box-shadow:4px 4px 4px 4px rgb(130, 173,  
179) }
```

# Background

The CSS property to change the background color of an element to CIELCh 68, 15.085, 210.994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 173, 179) }
```

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

```
.background{ background-color: rgb(130,  
173, 179) }
```

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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