

# Converting Colors

CIELCh(68, 21.579, 185.777)

Have a look what the booklet for  
CIELCh(68, 21.579, 185.777)  
contains.

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# Color

**CIELCh(68, 21.579, 185.777)**

# Conversions

## Conversions Part 1

Format	Color
Hex	74B1A9
RGB	116, 177, 169
RGB Percent	45%, 69%, 66%
CMY	0.5455, 0.3063, 0.3376
CMYK	0.34, 0.00, 0.05, 0.31
HSL	172°, 28%, 57%
HSV	172°, 34%, 69%
XYZ	30.0442, 37.9720, 43.2334
YIQ	157.8490, -33.7880, -15.4200

# Conversions

## Conversions Part 2

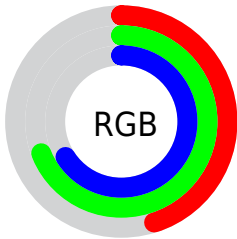
Format	Color
R <sub>Y</sub> B	116, 149, 177
Decimal	7647657
CIE Lab	68.00, -21.47, -2.17
CIE LCh	68, 21.579, 185.777
Yxy	37.9720, 0.2701, 0.3413
Android (android.graphics.Color)	4285837737 (0xFF74B1A9)
YUV	157.8490, 5.4974, -36.7016
Hunter-Lab	61.6215, -20.8080, 1.5374

# Details

The CIELCh color **68, 21.579, 185.777** is a light color, and the websafe version is hex **669999**. A complement of this color would be **55, 25.716, 12.445**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 21.730, 185.402**, and **48, 21.459, 185.953** is the 20% darker color. If you saturate the color by 10%, you get **67, 26.867, 184.864**, and if you desaturate by 10%, it is **69, 15.766, 186.651**.

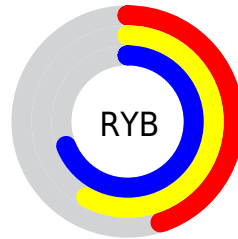
# Distribution



Red (45%)

Green (69%)

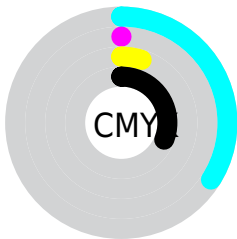
Blue (66%)



Red (45%)

Yellow (58%)

Blue (69%)

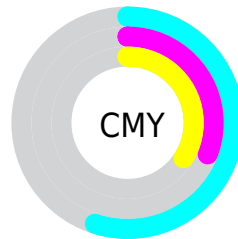


Cyan (34%)

Magenta (0%)

Yellow (5%)

Black (31%)



Cyan (55%)

Magenta (31%)


Yellow (34%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 21.579, 185.777 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, 21.579, 185.777 by changing the saturation by 10% instead.




 68, 21.579,  
185.777


 68, 21.579,  
185.777

 100, 21.579,  
185.777

 58, 21.579,  
185.777


 88, 21.579,  
185.777

 48, 21.579,  
185.777

 98, 21.579,  
185.777

 38, 21.579,  
185.777

 28, 21.579,  
185.777

 18, 21.579,  
185.777

 8, 21.579, 185.777

 0, 21.579, 185.777

68, 21.579,  
185.777

68, 21.579,  
185.777

67, 26.867,  
184.864

69, 15.766,  
186.651

66, 31.525,  
183.905

70, 9.538, 187.509

72, 3.001, 188.435

66, 35.463,  
182.881

73, 3.750, 8.942

65, 38.625,  
181.773

75, 10.630, 9.804

65, 41.000,  
180.561

76, 17.574, 10.585

78, 24.527, 11.340

65, 42.634,  
179.228

80, 30.510, 11.661

65, 43.361,  
178.471

80, 30.606, 9.388

# Harmonies

# Complementary

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



68, 21.579, 185.777



55, 25.716, 12.445

# Rectangle

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



68, 21.579, 185.777



68, 21.579, 235.777



68, 21.579, 5.777



68, 21.579, 55.777

# Sweetspot

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



68, 21.580, 185.774



89, 8.204, 187.884



67, 39.153, 138.751



47, 5.578, 187.764



96, 0.011, 296.813



48, 0.006, 296.813



# Same Dimension

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



68, 21.580, 185.774



85, 30.928, 185.121



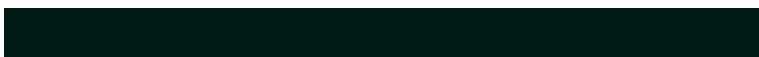
62, 17.624, 244.371



37, 3.793, 187.959



57, 38.892, 178.649



7, 9.535, 183.935





# Inverse Universe

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



55, 25.716, 12.445



67, 38.406, 13.655



61, 21.018, 56.841



35, 3.963, 9.369



31, 65.880, 33.347

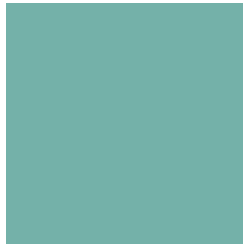


2, 9.273, 11.041



# Previews

## White Background



This preview shows how the CIELCh color 68, 21.579, 185.777 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, 21.579, 185.777 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

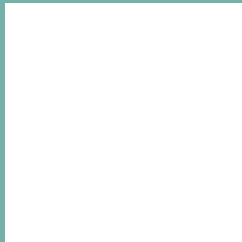
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 68, 21.579, 185.777**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 68, 21.579, 185.777.

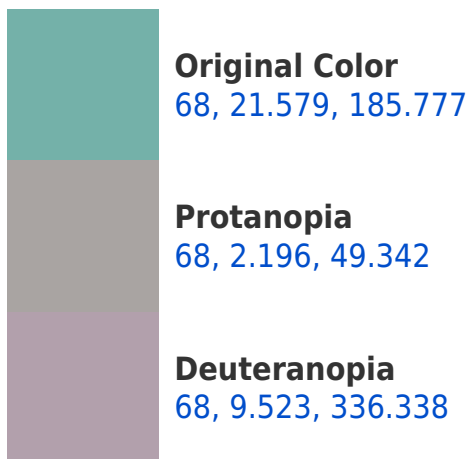


This preview shows how white text looks on a background with the CIELCh color 68, 21.579, 185.777.

# 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

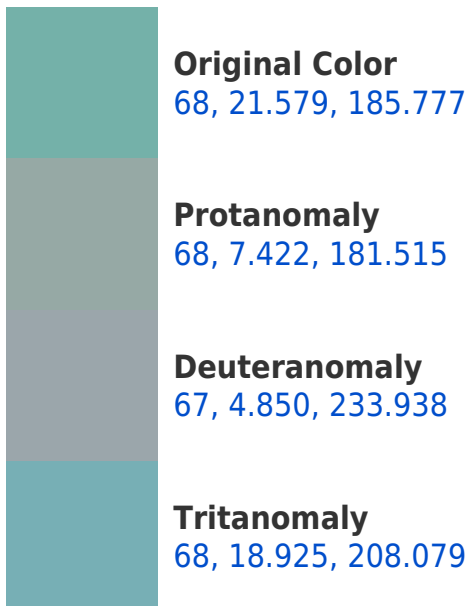




**Tritanopia**  
68, 18.812, 222.525



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 68, 21.579, 185.777 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(116, 177, 169)` looks like.

```
.text, #text, p{  
    color:rgb(116, 177, 169)  
}
```

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(116, 177, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 177, 169) }
```

## Border

The CSS property to change the border of an element to CIELCh 68, 21.579, 185.777 is called "border". The border property can be set on classes, ids or directly on the HTML element.

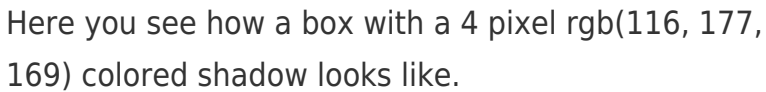
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 177, 169) }
```

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

```
.border{ border-color:rgb(116, 177, 169) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 177, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 177, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 177, 169); box-shadow:4px 4px 4px 4px rgb(116, 177, 169) }
```

# Background

The CSS property to change the background color of an element to CIELCh 68, 21.579, 185.777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 177, 169) }
```

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

```
.background{ background-color: rgb(116,  
177, 169) }
```

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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