

# Converting Colors

CIELCh(66, 30.755, 176.769)

Have a look what the booklet for  
CIELCh(66, 30.755, 176.769)  
contains.

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**Color**

**CIELCh(66, 30.759, 176.738)**

# Conversions

## Conversions Part 1

Format	Color
Hex	59AF9C
RGB	89, 175, 156
RGB Percent	35%, 69%, 61%
CMY	0.6498, 0.3126, 0.3871
CMYK	0.49, 0.00, 0.11, 0.31
HSL	167°, 35%, 52%
HSV	167°, 49%, 69%
XYZ	25.5613, 35.3238, 37.0508
YIQ	147.1200, -45.1570, -24.1410

# Conversions

## Conversions Part 2

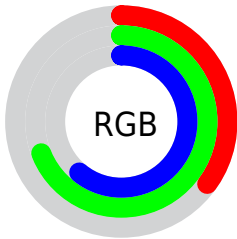
<b>Format</b>	<b>Color</b>
<b>RYB</b>	89, 137, 175
Decimal	5877660
CIELab	66.00, -30.71, 1.75
CIELCh	66, 30.759, 176.738
Yxy	35.3238, 0.2610, 0.3607
Android (android.graphics.Color)	4284067740 (0xFF59AF9C)
YUV	147.1200, 4.3778, -50.9712
Hunter-Lab	59.4338, -27.2399, 4.6426

# Details

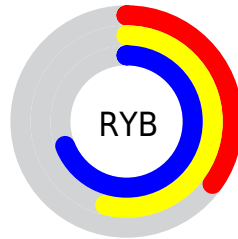
The CIELCh color **66, 30.759, 176.738** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **49, 37.397, 8.265**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 30.993, 176.392**, and **46, 30.720, 176.821** is the 20% darker color. If you saturate the color by 10%, you get **65, 35.631, 175.481**, and if you desaturate by 10%, it is **67, 25.272, 177.886**.

# Distribution



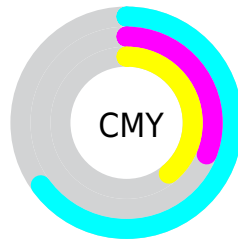
- Red (35%)
- Green (69%)
- Blue (61%)



- Red (35%)
- Yellow (54%)
- Blue (69%)



- Cyan (49%)
- Magenta (0%)
- Yellow (11%)
- Black (31%)




- Cyan (65%)
- Magenta (31%)
- Yellow (39%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 30.759, 176.738 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 66, 30.759, 176.738 by changing the saturation by 10% instead.





 66, 30.759,  
176.738


 66, 30.759,  
176.738


 100, 30.759,  
176.738


 56, 30.759,  
176.738


 86, 30.759,  
176.738

 46, 30.759,  
176.738

 96, 30.759,  
176.738

 36, 30.759,  
176.738

 26, 30.759,  
176.738

 16, 30.759,  
176.738

 6, 30.759, 176.738

 0, 30.759, 176.738

66, 30.759,  
176.738

66, 30.759,  
176.738

65, 35.631,  
175.481

67, 25.272,  
177.886

65, 39.803,  
174.098

68, 19.276,  
178.952

64, 43.225,  
172.563

69, 12.884,  
179.954

64, 45.902,  
170.859

70, 6.207, 180.925

64, 47.978,  
169.017

72, 0.657, 1.043

64, 48.167,  
168.847

73, 7.622, 2.524

75, 14.620, 3.365

77, 21.594, 4.156

79, 28.505, 4.915



# Harmonies

# Complementary

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



66, 30.759, 176.738



49, 37.397, 8.265

# Rectangle

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



66, 30.759, 176.738



66, 30.759, 226.738



66, 30.759, 356.738



66, 30.759, 46.738

# Sweetspot

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



66, 30.759, 176.736



88, 12.584, 180.323



66, 52.979, 135.129



47, 8.629, 180.123



96, 0.011, 296.813



48, 0.006, 296.813





# Same Dimension

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



66, 30.759, 176.736



83, 43.738, 175.355



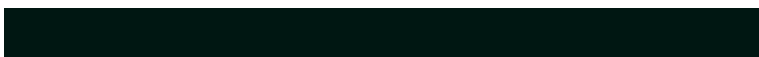
60, 22.953, 232.687



36, 3.845, 180.902



55, 42.893, 169.104



6, 8.545, 176.089



# Inverse Universe

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



49, 37.397, 8.265



58, 55.570, 10.891



54, 32.142, 45.879



34, 3.978, 2.455



31, 61.373, 26.841



2, 8.092, 4.760



# Previews

## White Background



This preview shows how the CIE LCh color 66, 30.759, 176.738 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 66, 30.759, 176.738 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 66, 30.759, 176.738**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 66, 30.759, 176.738.

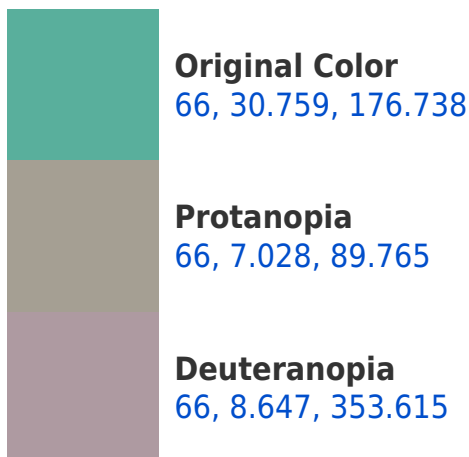


This preview shows how white text looks on a background with the CIELCh color 66, 30.759, 176.738.

# 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**  
66, 23.784, 216.901

# Trichromacy



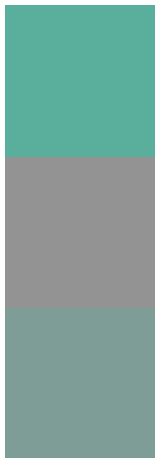
**Original Color**  
66, 30.759, 176.738

**Protanomaly**  
65, 13.556, 160.394

**Deuteranomaly**  
65, 7.302, 185.592

**Tritanomaly**  
66, 24.948, 199.954

# Monochromacy



**Original Color**  
66, 30.759, 176.738

**Achromatopsia**  
61, 0.008, 296.813

**Achromatomaly**  
62, 12.224, 179.543

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 30.759, 176.738 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(89, 175, 156)` looks like.

```
.text, #text, p{  
    color:rgb(89, 175, 156)  
}
```

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(89, 175, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 175, 156) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 30.759, 176.738 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(89, 175, 156) }
```

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

```
.border{ border-color:rgb(89, 175, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 175, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 175, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 175, 156);  
box-shadow:4px 4px 4px 4px rgb(89, 175,  
156) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 30.759, 176.738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 175, 156) }
```

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

```
.background{ background-color: rgb(89, 175,  
156) }
```

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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