

# Converting Colors

CIELCh(60, 30.469, 196.773)

Have a look what the booklet for  
CIELCh(60, 30.469, 196.773)  
contains.

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**Color**

**CIELCh(60, 30.456, 196.776)**

# Conversions

## Conversions Part 1

Format	Color
Hex	369F9F
RGB	54, 159, 159
RGB Percent	21%, 62%, 62%
CMY	0.7877, 0.3761, 0.3761
CMYK	0.66, 0.00, 0.00, 0.38
HSL	180°, 49%, 42%
HSV	180°, 66%, 62%
XYZ	20.2088, 28.1233, 37.2070
YIQ	127.6050, -62.5800, -22.2600

# Conversions

## Conversions Part 2

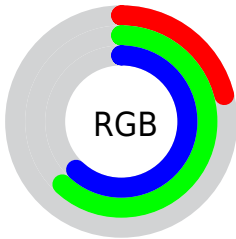
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	54, 107, 159
Decimal	3579807
CIE <sub>Lab</sub>	60.00, -29.16, -8.79
CIE <sub>LCh</sub>	60, 30.456, 196.776
Yxy	28.1233, 0.2363, 0.3288
Android (android.graphics.Color)	4281769887 (0xFF369F9F)
YUV	127.6050, 15.4777, -64.5516
Hunter-Lab	53.0314, -24.7837, -4.4760

# Details

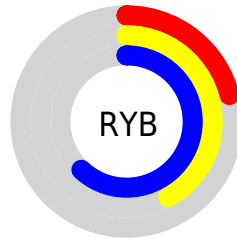
The CIELCh color `60, 30.456, 196.776` is a dark color, and the websafe version is hex `339999`. A complement of this color would be `38, 49.631, 28.809`, and the grayscale version is `53, 0.007, 296.813`.

A 20% lighter version of the original color is `80, 30.358, 197.290`, and `41, 26.292, 197.758` is the 20% darker color. If you saturate the color by 10%, you get `60, 32.662, 196.592`, and if you desaturate by 10%, it is `60, 27.510, 197.020`.

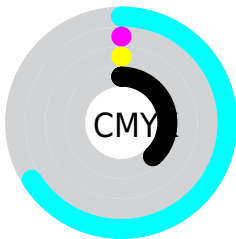
# Distribution



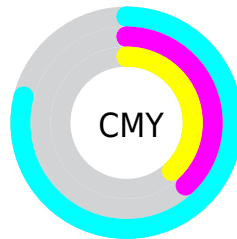
- Red (21%)
- Green (62%)
- Blue (62%)



- Red (21%)
- Yellow (42%)
- Blue (62%)



- Cyan (66%)
- Magenta (0%)
- Yellow (0%)
- Black (38%)




- Cyan (79%)
- Magenta (38%)
- Yellow (38%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 30.456, 196.776 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 60, 30.456, 196.776 by changing the saturation by 10% instead.





 60, 30.456,  
196.776


 60, 30.456,  
196.776


 100, 30.456,  
196.776


 50, 30.456,  
196.776


 80, 30.456,  
196.776

 40, 30.456,  
196.776

 90, 30.456,  
196.776


 30, 30.456,  
196.776

 20, 30.456,  
196.776

 10, 30.456,  
196.776

 0, 30.456, 196.776

 60, 30.456,

 60, 30.456,

196.776

60, 32.662,  
196.592

59, 34.140,  
196.471

59, 34.964,  
196.404

59, 35.223,  
196.382

196.776

60, 27.510,  
197.020

61, 23.853,  
197.330

62, 19.546,  
197.701

63, 14.669,  
198.130

64, 9.314, 198.619

65, 3.575, 199.211

66, 2.459, 19.438

67, 8.707, 20.146

69, 15.100, 20.762



# Harmonies

# Complementary

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



60, 30.456, 196.776



38, 49.631, 28.809

# Rectangle

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



60, 30.456, 196.776



60, 30.456, 246.776



60, 30.456, 16.776



60, 30.456, 66.776

# Sweetspot

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



60, 30.456, 196.775



80, 14.231, 198.396



58, 67.386, 138.439



42, 9.703, 198.268



92, 0.011, 296.813



44, 0.006, 296.813





# Same Dimension

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



60, 30.456, 196.775



76, 40.564, 196.530



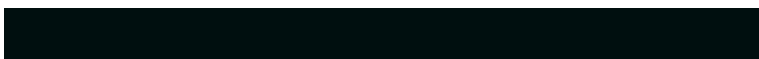
44, 32.774, 267.696



33, 3.339, 198.994



54, 32.544, 196.383



3, 4.473, 199.419



# Inverse Universe

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



38, 49.631, 28.809



46, 74.327, 33.555



49, 40.377, 65.641



31, 3.535, 19.898



29, 67.091, 39.160

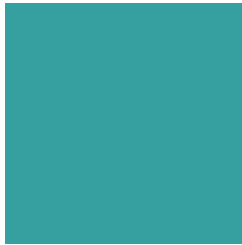


1, 4.473, 19.403



# Previews

## White Background



This preview shows how the CIE LCh color 60, 30.456, 196.776 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 60, 30.456, 196.776 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

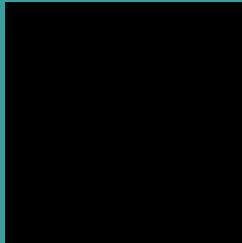
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 60, 30.456, 196.776

## Background



This preview shows how black text looks on a background with the CIELCh color 60, 30.456, 196.776.

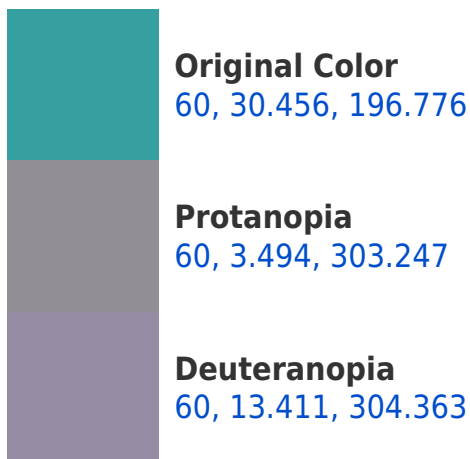


This preview shows how white text looks on a background with the CIELCh color 60, 30.456, 196.776.

# 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**  
60, 28.296, 212.357

# Trichromacy



**Original Color**  
60, 30.456, 196.776

**Protanomaly**  
59, 13.303, 208.116

**Deuteranomaly**  
59, 14.017, 236.131

**Tritanomaly**  
60, 28.894, 206.097

# Monochromacy



**Original Color**  
60, 30.456, 196.776

**Achromatopsia**  
54, 0.007, 296.813

**Achromatomaly**  
55, 13.773, 198.085

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 60, 30.456, 196.776 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(54, 159, 159)` looks like.

```
.text, #text, p{  
    color:rgb(54, 159, 159)  
}
```

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(54, 159, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 159, 159) }
```

## Border

The CSS property to change the border of an element to CIELCh 60, 30.456, 196.776 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(54, 159, 159) }
```

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

```
.border{ border-color:rgb(54, 159, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 159, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 159, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 159, 159);  
box-shadow:4px 4px 4px 4px rgb(54, 159,  
159) }
```

# Background

The CSS property to change the background color of an element to CIELCh 60, 30.456, 196.776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 159, 159) }
```

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

```
.background{ background-color: rgb(54, 159,  
159) }
```

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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