

# Converting Colors

CIELCh(66, 27.873, 198.926)

Have a look what the booklet for  
CIELCh(66, 27.873, 198.926)  
contains.

<b>CIELCh(66, 27.759, 199.481)</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(66, 27.759, 199.481)**

# Conversions

## Conversions Part 1

Format	Color
Hex	54AE80
RGB	84, 174, 176
RGB Percent	33%, 68%, 69%
CMY	0.6703, 0.3174, 0.3095
CMYK	0.52, 0.01, 0.00, 0.31
HSL	181°, 37%, 51%
HSV	181°, 52%, 69%
XYZ	26.6551, 35.3238, 46.5225
YIQ	147.3180, -54.2820, -18.4580

# Conversions

## Conversions Part 2

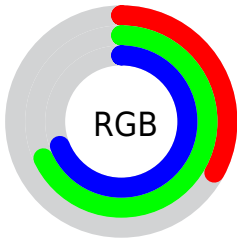
<b>Format</b>	<b>Color</b>
<b>RYB</b>	84, 129, 176
Decimal	5549744
CIELab	66.00, -26.17, -9.26
CIElCh	66, 27.759, 199.481
Yxy	35.3238, 0.2457, 0.3256
Android (android.graphics.Color)	4283739824 (0xFF54AEB0)
YUV	147.3180, 14.1402, -55.5299
Hunter-Lab	59.4338, -23.9549, -4.8062

# Details

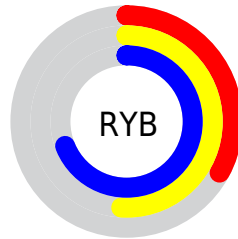
The CIELCh color **66, 27.759, 199.481** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **48, 40.812, 26.796**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 27.773, 199.766**, and **46, 27.662, 200.288** is the 20% darker color. If you saturate the color by 10%, you get **65, 31.115, 199.368**, and if you desaturate by 10%, it is **67, 23.651, 199.680**.

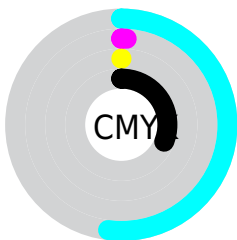
# Distribution



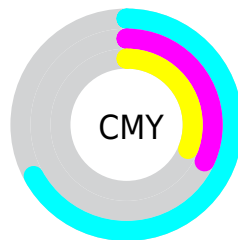
- Red (33%)
- Green (68%)
- Blue (69%)



- Red (33%)
- Yellow (51%)
- Blue (69%)



- Cyan (52%)
- Magenta (1%)
- Yellow (0%)
- Black (31%)



- Cyan (67%)
- Magenta (32%)
- Yellow (31%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 27.759, 199.481 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, 27.759, 199.481 by changing the saturation by 10% instead.




 66, 27.759,  
199.481


 66, 27.759,  
199.481

 100, 27.759,  
199.481

 56, 27.759,  
199.481


 86, 27.759,  
199.481

 46, 27.759,  
199.481

 96, 27.759,  
199.481

 36, 27.759,  
199.481

 26, 27.759,  
199.481

 16, 27.759,  
199.481

 6, 27.759, 199.481

 0, 27.759, 199.481

66, 27.759,  
199.481

66, 27.759,  
199.481

65, 31.115,  
199.368

67, 23.651,  
199.680

65, 33.672,  
199.353

68, 18.867,  
199.964

64, 35.423,  
199.439

69, 13.503,  
200.322

64, 36.414,  
199.627

70, 7.661, 200.757

72, 1.439, 201.497

64, 36.823,  
199.823

73, 5.068, 21.543

75, 11.781, 22.124

76, 18.631, 22.685

78, 25.560, 23.252



# Harmonies

# Complementary

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



66, 27.759, 199.481



48, 40.812, 26.796

# Rectangle

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



66, 27.759, 199.481



66, 27.759, 249.481



66, 27.759, 19.481



66, 27.759, 69.481

# Sweetspot

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



66, 27.759, 199.479



88, 12.275, 200.571



65, 59.645, 140.591



47, 8.229, 200.484



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, 27.759, 199.479



83, 38.587, 199.357



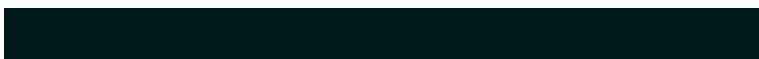
53, 29.848, 267.201



37, 3.610, 200.906



56, 33.214, 199.784



7, 8.837, 201.990



# Inverse Universe

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



50, 59.054, 327.750



61, 85.048, 328.238



58, 34.111, 70.588



35, 6.652, 325.510



36, 77.616, 329.100

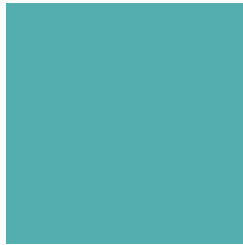


3, 15.897, 325.338



# Previews

## White Background



This preview shows how the CIELCh color 66, 27.759, 199.481 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, 27.759, 199.481 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

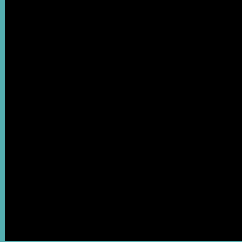
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 66, 27.759, 199.481**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 66, 27.759, 199.481.

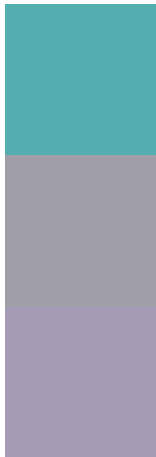


This preview shows how white text looks on a background with the CIELCh color 66, 27.759, 199.481.

# 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**

66, 27.759, 199.481

**Protanopia**

66, 4.463, 295.460

**Deuteranopia**

66, 14.424, 306.208





**Tritanopia**  
66, 26.231, 214.863

# Trichromacy



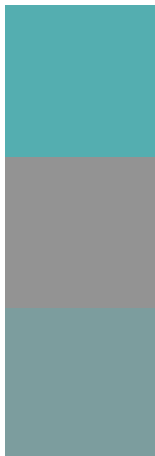
**Original Color**  
66, 27.759, 199.481

**Protanomaly**  
65, 11.724, 215.116

**Deuteranomaly**  
65, 12.858, 246.389

**Tritanomaly**  
66, 26.542, 208.295

# Monochromacy



**Original Color**  
66, 27.759, 199.481

**Achromatopsia**  
61, 0.008, 296.813

**Achromatomaly**  
62, 11.901, 201.094

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 27.759, 199.481 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(84, 174, 176)` looks like.

```
.text, #text, p{  
    color:rgb(84, 174, 176)  
}
```

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(84, 174, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 174, 176) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 27.759, 199.481 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(84, 174, 176) }
```

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

```
.border{ border-color:rgb(84, 174, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 174, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 174, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 174, 176);  
box-shadow:4px 4px 4px 4px rgb(84, 174,  
176) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 27.759, 199.481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 174, 176) }
```

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

```
.background{ background-color: rgb(84, 174,  
176) }
```

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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