

# Converting Colors

CIELCh(66, 15.266, 176.854)

Have a look what the booklet for  
CIELCh(66, 15.266, 176.854)  
contains.

<b>CIELCh(66, 15.058, 176.467)</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, 15.058, 176.467)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82A89E
RGB	130, 168, 158
RGB Percent	51%, 66%, 62%
CMY	0.4894, 0.3403, 0.3795
CMYK	0.23, 0.00, 0.06, 0.34
HSL	164°, 18%, 59%
HSV	164°, 23%, 66%
XYZ	29.4708, 35.3238, 37.7093
YIQ	155.4980, -19.4380, -11.1660

# Conversions

## Conversions Part 2

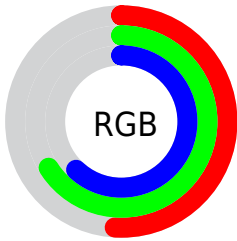
<b>Format</b>	<b>Color</b>
<b>RYB</b>	130, 152, 168
Decimal	8562846
CIELab	66.00, -15.03, 0.93
CIElCh	66, 15.058, 176.467
Yxy	35.3238, 0.2875, 0.3446
Android (android.graphics.Color)	4286752926 (0xFF82A89E)
YUV	155.4980, 1.2335, -22.3617
Hunter-Lab	59.4338, -15.4983, 3.9857

# Details

The CIELCh color  $66, 15.058, 176.467$  is a light color, and the websafe version is hex  $669999$ . A complement of this color would be  $58, 16.210, 0.871$ , and the grayscale version is  $64, 0.008, 296.813$ .

A 20% lighter version of the original color is  $86, 14.701, 177.442$ , and  $46, 14.933, 176.667$  is the 20% darker color. If you saturate the color by 10%, you get  $65, 21.333, 175.407$ , and if you desaturate by 10%, it is  $67, 8.503, 177.462$ .

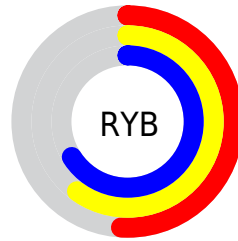
# Distribution



Red (51%)

Green (66%)

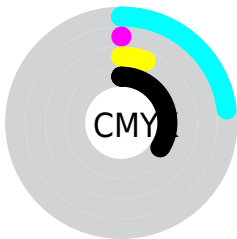
Blue (62%)



Red (51%)

Yellow (60%)

Blue (66%)

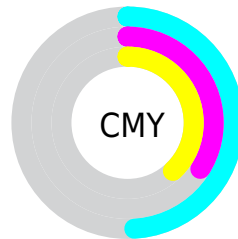


Cyan (23%)

Magenta (0%)

Yellow (6%)

Black (34%)



Cyan (49%)

Magenta (34%)


Yellow (38%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 15.058, 176.467 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, 15.058, 176.467 by changing the saturation by 10% instead.





 66, 15.058,  
176.467


 66, 15.058,  
176.467


 100, 15.058,  
176.467


 56, 15.058,  
176.467


 86, 15.058,  
176.467

 46, 15.058,  
176.467

 96, 15.058,  
176.467

 36, 15.058,  
176.467

 26, 15.058,  
176.467

 16, 15.058,  
176.467

 6, 15.058, 176.467

 0, 15.058, 176.467

66, 15.058,  
176.467

66, 15.058,  
176.467

65, 21.333,  
175.407

67, 8.503, 177.462

64, 27.217,  
174.265

69, 1.763, 178.572

70, 5.072, 359.109

63, 32.598,  
173.018

72, 11.935,  
359.982

63, 37.377,  
171.642

73, 18.768, 0.782

62, 41.477,  
170.113

75, 25.530, 1.543

77, 32.192, 2.271

62, 44.862,  
168.410

78, 35.266, 0.421

61, 47.551,  
166.520

78, 35.944,  
356.842

61, 49.254,



# Harmonies

# Complementary

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



66, 15.058, 176.467



58, 16.210, 0.871

# Rectangle

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



66, 15.058, 176.467



66, 15.058, 226.467



66, 15.058, 356.467



66, 15.058, 46.467

# Sweetspot

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



66, 15.059, 176.464



86, 5.892, 178.008



66, 23.665, 135.735



46, 3.821, 177.951



94, 0.011, 296.813



46, 0.006, 296.813





# Same Dimension

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



66, 15.059, 176.464



83, 22.146, 175.955



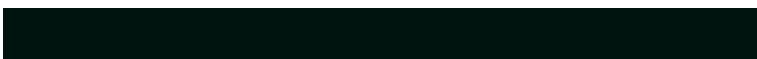
64, 11.317, 224.687



35, 3.834, 177.789



54, 44.653, 165.308



5, 7.346, 173.632



# Inverse Universe

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



58, 16.210, 0.871



72, 24.250, 1.501



60, 13.065, 42.725



33, 3.950, 359.363



30, 59.136, 23.249



1, 6.947, 1.244



# Previews

## White Background



This preview shows how the CIELCh color 66, 15.058, 176.467 looks on a white background.

## Color Contrast Check

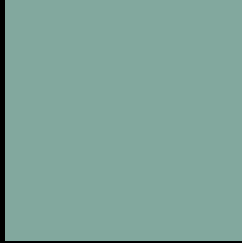
Large Text (above 18pt) WCAG AA × Fail

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, 15.058, 176.467 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

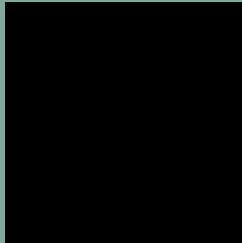
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 66, 15.058, 176.467**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 66, 15.058, 176.467.

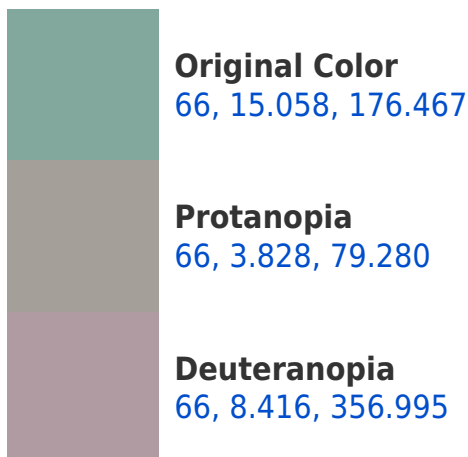


This preview shows how white text looks on a background with the CIELCh color 66, 15.058, 176.467.


# 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, 12.769, 233.207

# Trichromacy



**Original Color**  
66, 15.058, 176.467

**Protanomaly**  
66, 5.471, 153.923

**Deuteranomaly**  
66, 0.379, 200.605

**Tritanomaly**  
66, 11.934, 211.982

# Monochromacy



**Original Color**  
66, 15.058, 176.467

**Achromatopsia**  
64, 0.008, 296.813

**Achromatomaly**  
65, 5.199, 180.295

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 15.058, 176.467 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, 168, 158)` looks like.

```
.text, #text, p{  
    color:rgb(130, 168, 158)  
}
```

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, 168, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 168, 158) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 15.058, 176.467 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, 168, 158) }
```

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

```
.border{ border-color:rgb(130, 168, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 168, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 168, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 168, 158);  
box-shadow:4px 4px 4px 4px rgb(130, 168,  
158) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 15.058, 176.467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 168, 158) }
```

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

```
.background{ background-color: rgb(130,  
168, 158) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor