

# Converting Colors

CIELCh(67, 16.207, 213.042)

Have a look what the booklet for  
CIELCh(67, 16.207, 213.042)  
contains.

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# **Color**

**CIELCh(67, 16.070, 212.199)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7DABB2
RGB	125, 171, 178
RGB Percent	49%, 67%, 70%
CMY	0.5103, 0.3299, 0.3025
CMYK	0.30, 0.04, 0.00, 0.30
HSL	188°, 26%, 59%
HSV	188°, 30%, 70%
XYZ	30.9963, 36.6320, 47.4831
YIQ	158.0440, -29.6630, -7.5750

# Conversions

## Conversions Part 2

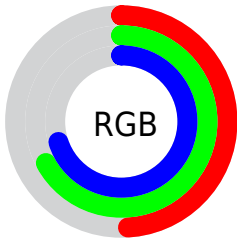
<b>Format</b>	<b>Color</b>
<b>RYB</b>	125, 150, 178
Decimal	8235954
CIELab	67.00, -13.60, -8.56
CIElCh	67, 16.070, 212.199
Yxy	36.6320, 0.2693, 0.3182
Android (android.graphics.Color)	4286426034 (0xFF7DABB2)
YUV	158.0440, 9.8383, -28.9796
Hunter-Lab	60.5244, -14.5025, -4.1477

# Details

The CIELCh color **67, 16.070, 212.199** is a light color, and the websafe version is hex **669999**. A complement of this color would be **59, 19.805, 32.669**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 16.031, 213.660**, and **47, 16.000, 210.726** is the 20% darker color. If you saturate the color by 10%, you get **65, 20.577, 212.556**, and if you desaturate by 10%, it is **69, 11.058, 212.005**.

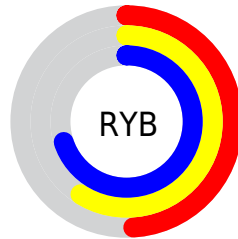
# Distribution



Red (49%)

Green (67%)

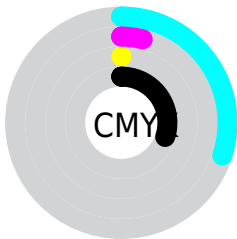
Blue (70%)



Red (49%)

Yellow (59%)

Blue (70%)

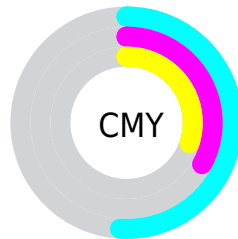


Cyan (30%)

Magenta (4%)

Yellow (0%)

Black (30%)



Cyan (51%)

Magenta (33%)


Yellow (30%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 16.070, 212.199 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 67, 16.070, 212.199 by changing the saturation by 10% instead.




 67, 16.070,  
212.199


 67, 16.070,  
212.199


 100, 16.070,  
212.199


 57, 16.070,  
212.199


 87, 16.070,  
212.199

 47, 16.070,  
212.199

 97, 16.070,  
212.199

 37, 16.070,  
212.199

 27, 16.070,  
212.199

 17, 16.070,  
212.199

 7, 16.070, 212.199

 0, 16.070, 212.199

67, 16.070,  
212.199

67, 16.070,  
212.199

65, 20.577,  
212.556

69, 11.058,  
212.005

64, 24.488,  
213.124

71, 5.633, 211.977

73, 0.120, 27.681

63, 27.720,  
213.945

75, 6.122, 31.944

61, 30.216,  
215.067

77, 12.310, 32.157

60, 31.953,  
216.547

79, 18.628, 32.387

81, 25.031, 32.644

59, 32.962,  
218.436

82, 26.660, 34.653

58, 33.429,  
220.694

83, 26.118, 37.574

58, 33.438,

220.741

# Harmonies

# Complementary

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



67, 16.070, 212.199



59, 19.805, 32.669

# Rectangle

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



67, 16.070, 212.199



67, 16.070, 262.199



67, 16.070, 32.199



67, 16.070, 82.199

# Sweetspot

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



67, 16.070, 212.195



90, 6.435, 211.982



68, 32.767, 145.650



48, 4.491, 211.972



96, 0.011, 296.813



49, 0.007, 296.813





# Same Dimension

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



67, 16.070, 212.195



84, 23.438, 212.421



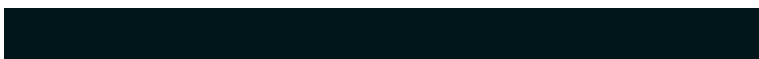
60, 19.470, 271.549



37, 3.270, 211.981



51, 29.943, 220.414



6, 7.772, 218.418



# Inverse Universe

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



59, 32.469, 330.027



72, 48.500, 330.443



66, 19.987, 83.070



35, 6.164, 328.782



35, 71.279, 334.196

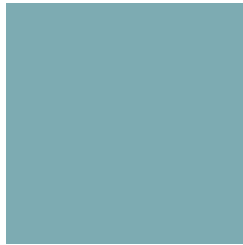


2, 14.218, 330.261



# Previews

## White Background



This preview shows how the CIELCh color 67, 16.070, 212.199 looks on a white background.

## Color Contrast Check

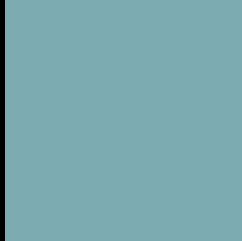
Large Text (above 18pt) WCAG AA × Fail

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 67, 16.070, 212.199 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

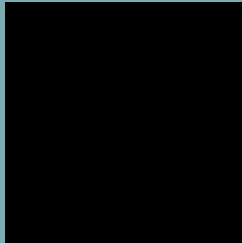
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 67, 16.070, 212.199**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 67, 16.070, 212.199.

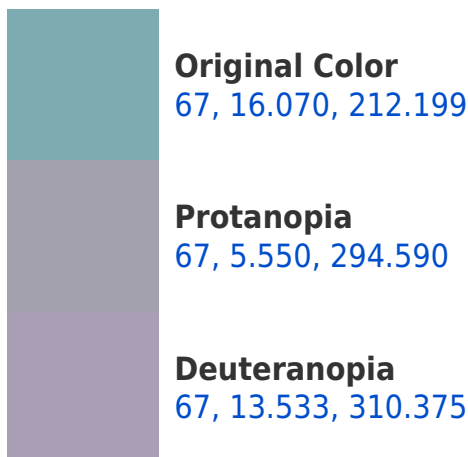


This preview shows how white text looks on a background with the CIELCh color 67, 16.070, 212.199.


# 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**  
67, 16.455, 226.573

# Trichromacy



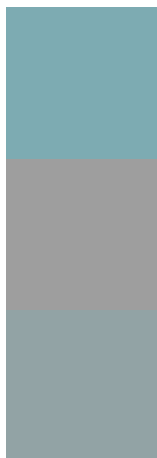
**Original Color**  
67, 16.070, 212.199

**Protanomaly**  
67, 7.534, 240.529

**Deuteranomaly**  
67, 9.865, 272.058

**Tritanomaly**  
67, 16.089, 222.813

# Monochromacy



**Original Color**  
67, 16.070, 212.199

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
66, 6.335, 209.053

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 16.070, 212.199 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(125, 171, 178)` looks like.

```
.text, #text, p{  
    color:rgb(125, 171, 178)  
}
```

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(125, 171, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 171, 178) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 16.070, 212.199 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(125, 171, 178) }
```

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

```
.border{ border-color:rgb(125, 171, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 171, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 171, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 171, 178);  
box-shadow:4px 4px 4px 4px rgb(125, 171,  
178) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 16.070, 212.199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 171, 178) }
```

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

```
.background{ background-color: rgb(125,  
171, 178) }
```

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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