

# Converting Colors

CIELCh(66, 15.692, 177.312)

Have a look what the booklet for  
CIELCh(66, 15.692, 177.312)  
contains.

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# Color

**CIELCh(66, 15.678, 177.325)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81A99F
RGB	129, 169, 159
RGB Percent	51%, 66%, 62%
CMY	0.4959, 0.3391, 0.3783
CMYK	0.24, 0.00, 0.06, 0.34
HSL	165°, 19%, 58%
HSV	165°, 24%, 66%
XYZ	29.3061, 35.3238, 37.8675
YIQ	155.9000, -20.6300, -11.5900

# Conversions

## Conversions Part 2

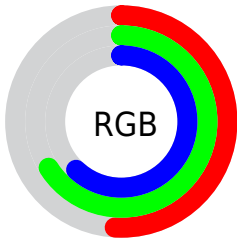
<b>Format</b>	<b>Color</b>
<b>RYB</b>	129, 152, 169
Decimal	8497567
CIELab	66.00, -15.66, 0.73
CIELCh	66, 15.678, 177.325
Yxy	35.3238, 0.2859, 0.3446
Android (android.graphics.Color)	4286687647 (0xFF81A99F)
YUV	155.9000, 1.5283, -23.5913
Hunter-Lab	59.4338, -15.9929, 3.8278

# Details

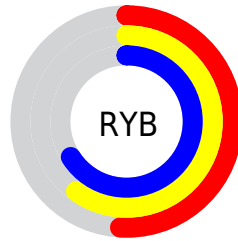
The CIELCh color **66, 15.678, 177.325** is a light color, and the websafe version is hex **669999**. A complement of this color would be **58, 17.004, 1.975**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 15.312, 178.281**, and **46, 15.557, 177.506** is the 20% darker color. If you saturate the color by 10%, you get **65, 21.854, 176.267**, and if you desaturate by 10%, it is **67, 9.200, 178.318**.

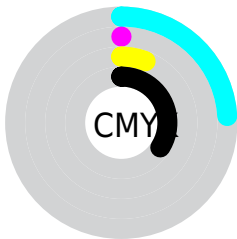
# Distribution



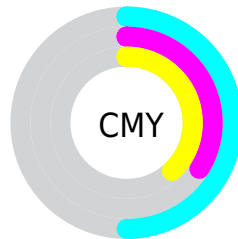
- Red (51%)
- Green (66%)
- Blue (62%)



- Red (51%)
- Yellow (60%)
- Blue (66%)



- Cyan (24%)
- Magenta (0%)
- Yellow (6%)
- Black (34%)




- Cyan (50%)
- Magenta (34%)
- Yellow (38%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 15.678, 177.325 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, 15.678, 177.325 by changing the saturation by 10% instead.





 66, 15.678,  
177.325


 66, 15.678,  
177.325


 100, 15.678,  
177.325


 56, 15.678,  
177.325


 86, 15.678,  
177.325

 46, 15.678,  
177.325

 96, 15.678,  
177.325

 36, 15.678,  
177.325

 26, 15.678,  
177.325

 16, 15.678,  
177.325

 6, 15.678, 177.325

 0, 15.678, 177.325

66, 15.678,  
177.325

66, 15.678,  
177.325

65, 21.854,  
176.267

67, 9.200, 178.318

64, 27.616,  
175.129

69, 2.519, 179.362

63, 32.856,  
173.887

70, 4.278, 359.957

63, 37.476,  
172.519

72, 11.116, 0.848

62, 41.404,  
171.000

73, 17.938, 1.656

62, 44.611,  
169.310

75, 24.701, 2.424

62, 47.126,  
167.437

77, 31.372, 3.160

61, 48.501,

78, 34.921, 1.748

78, 35.511,  
358.278



# Harmonies

# Complementary

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



66, 15.678, 177.325



58, 17.004, 1.975

# Rectangle

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



66, 15.678, 177.325



66, 15.678, 227.325



66, 15.678, 357.325



66, 15.678, 47.325

# Sweetspot

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



66, 15.679, 177.322



86, 5.851, 178.973



66, 25.015, 136.174



46, 3.794, 178.916



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, 15.679, 177.322



83, 22.726, 176.826



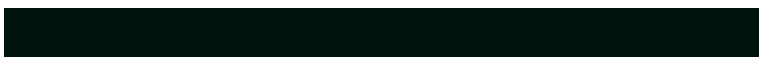
63, 11.809, 226.981



35, 3.807, 178.754



54, 43.914, 166.470



5, 7.283, 174.639



# Inverse Universe

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



58, 17.004, 1.975



71, 25.085, 2.604



60, 13.700, 44.521



33, 3.927, 0.322



30, 59.562, 24.377



1, 6.913, 2.099



# Previews

## White Background



This preview shows how the CIELCh color 66, 15.678, 177.325 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 CIE LCh color 66, 15.678, 177.325 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

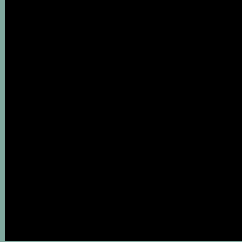
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 66, 15.678, 177.325**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 66, 15.678, 177.325.



This preview shows how white text looks on a background with the CIELCh color 66, 15.678, 177.325.

# 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, 15.678, 177.325

**Protanopia**  
66, 3.828, 79.280

**Deuteranopia**  
66, 8.416, 356.995





**Tritanopia**  
66, 13.299, 231.577

# Trichromacy



**Original Color**  
66, 15.678, 177.325

**Protanomaly**  
66, 5.745, 156.545

**Deuteranomaly**  
66, 0.758, 199.954

**Tritanomaly**  
66, 12.886, 210.884

# Monochromacy



**Original Color**  
66, 15.678, 177.325

**Achromatopsia**  
64, 0.008, 296.813

**Achromatomaly**  
65, 6.106, 177.536

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 15.678, 177.325 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(129, 169, 159)` looks like.

```
.text, #text, p{  
    color:rgb(129, 169, 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(129, 169, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 169, 159) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 15.678, 177.325 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(129, 169, 159) }
```

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

```
.border{ border-color:rgb(129, 169, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 169, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 169, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 169, 159); box-shadow:4px 4px 4px 4px rgb(129, 169, 159) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 15.678, 177.325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 169, 159) }
```

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

```
.background{ background-color: rgb(129,  
169, 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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