

# Converting Colors

CIELCh(66, 5.991, 171.429)

Have a look what the booklet for  
CIELCh(66, 5.991, 171.429) contains.

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# Color

**CIELCh(66, 5.991, 171.429)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96A49F
RGB	150, 164, 159
RGB Percent	59%, 64%, 62%
CMY	0.4135, 0.3586, 0.3782
CMYK	0.09, 0.00, 0.03, 0.36
HSL	159°, 7%, 61%
HSV	159°, 9%, 64%
XYZ	31.9142, 35.3238, 37.7375
YIQ	159.2440, -6.7390, -4.5230

# Conversions

## Conversions Part 2

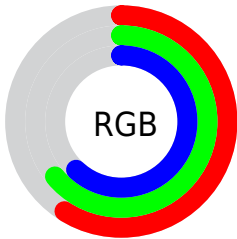
<b>Format</b>	<b>Color</b>
<b>RYB</b>	150, 159, 164
Decimal	9872543
CIELab	66.00, -5.92, 0.89
CIELCh	66, 5.991, 171.429
Yxy	35.3238, 0.3040, 0.3365
Android (android.graphics.Color)	4288062623 (0xFF96A49F)
YUV	159.2440, -0.1203, -8.1070
Hunter-Lab	59.4338, -8.1601, 3.9575

# Details

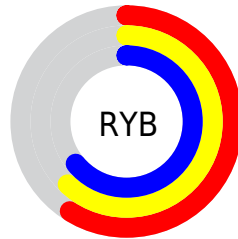
The CIELCh color  $66, 5.991, 171.429$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $63, 6.114, 352.832$ , and the grayscale version is  $65, 0.008, 296.813$ .

A 20% lighter version of the original color is  $86, 5.996, 173.151$ , and  $46, 5.772, 174.465$  is the 20% darker color. If you saturate the color by 10%, you get  $65, 12.919, 170.431$ , and if you desaturate by 10%, it is  $67, 1.019, 351.853$ .

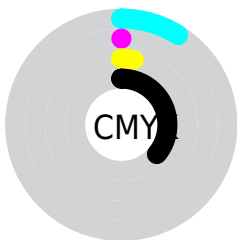
# Distribution



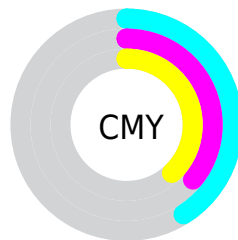
- Red (59%)
- Green (64%)
- Blue (62%)



- Red (59%)
- Yellow (62%)
- Blue (64%)



- Cyan (9%)
- Magenta (0%)
- Yellow (3%)
- Black (36%)



- Cyan (41%)
- Magenta (36%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 5.991, 171.429 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, 5.991, 171.429 by changing the saturation by 10% instead.



■ 66, 5.991, 171.429

■ 66, 5.991, 171.429

■ 100, 5.991,  
171.429

■ 56, 5.991, 171.429

■ 86, 5.991, 171.429

■ 46, 5.991, 171.429

■ 96, 5.991, 171.429

■ 36, 5.991, 171.429

■ 26, 5.991, 171.429

■ 16, 5.991, 171.429

■ 6, 5.991, 171.429

■ 0, 5.991, 171.429

■ 66, 5.991, 171.429

■ 66, 5.991, 171.429

■ 65, 12.919,

■ 67, 1.019, 351.853

170.431

69, 8.039, 353.016

64, 19.671,  
169.381

71, 15.009,  
353.815

63, 26.141,  
168.234

72, 21.884,  
354.555

62, 32.218,  
166.968

74, 28.634,  
355.254

61, 37.790,  
165.557

76, 35.237,  
355.918

60, 42.760,  
163.978

77, 38.733,  
353.833

60, 47.064,  
162.209

77, 39.994,  
349.766

60, 50.687,  
160.239

77, 41.463,  
345.991

59, 53.742,  
158.122



# Harmonies

# Complementary

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



66, 5.991, 171.429



63, 6.114, 352.832

# Rectangle

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



66, 5.991, 171.429



66, 5.991, 221.429



66, 5.991, 351.429



66, 5.991, 41.429

# Sweetspot

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



66, 5.993, 171.421



84, 2.592, 172.034



66, 8.480, 133.250



45, 1.981, 171.927



93, 0.011, 296.813



45, 0.006, 296.813





# Same Dimension

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



66, 5.993, 171.421



83, 8.633, 171.261



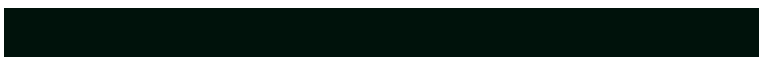
66, 4.606, 212.131



34, 3.953, 171.351



53, 49.472, 158.072



4, 6.418, 168.524



# Inverse Universe

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



63, 6.114, 352.832



79, 8.838, 352.999



64, 4.861, 32.054



32, 4.039, 352.905



30, 56.177, 14.633

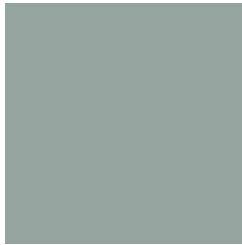


1, 6.070, 354.341



# Previews

## White Background



This preview shows how the CIELCh color 66, 5.991, 171.429 looks on a white background.

## Color Contrast Check

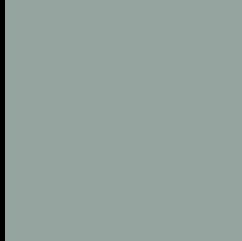
Large Text (above 18pt) WCAG AA × Fail

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, 5.991, 171.429 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

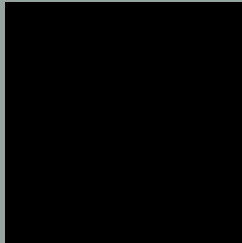
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

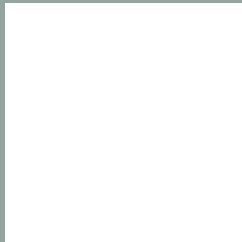
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 66, 5.991, 171.429

## Background



This preview shows how black text looks on a background with the CIELCh color 66, 5.991, 171.429.



This preview shows how white text looks on a background with the CIELCh color 66, 5.991, 171.429.

# 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, 5.991, 171.429

### Protanopia

66, 2.531, 60.242

### Deuteranopia

66, 8.228, 0.553





**Tritanopia**  
66, 7.844, 266.323

# Trichromacy



**Original Color**  
66, 5.991, 171.429

**Protanomaly**  
66, 2.342, 129.007

**Deuteranomaly**  
66, 3.131, 9.379

**Tritanomaly**  
66, 5.186, 239.171

# Monochromacy



**Original Color**  
66, 5.991, 171.429

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
66, 2.207, 169.319

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 5.991, 171.429 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(150, 164, 159)` looks like.

```
.text, #text, p{  
    color:rgb(150, 164, 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(150, 164, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 164, 159) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 5.991, 171.429 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(150, 164, 159) }
```

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

```
.border{ border-color:rgb(150, 164, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 164, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 164, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 164, 159);  
box-shadow:4px 4px 4px 4px rgb(150, 164,  
159) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 5.991, 171.429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 164, 159) }
```

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

```
.background{ background-color: rgb(150,  
164, 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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