

# Converting Colors

CIELCh(57, 19.276, 171.118)

Have a look what the booklet for  
CIELCh(57, 19.276, 171.118)  
contains.

<b>CIELCh(57, 19.258, 171.140)</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(57, 19.258, 171.140)**

# Conversions

## Conversions Part 1

Format	Color
Hex	649283
RGB	100, 146, 131
RGB Percent	39%, 57%, 51%
CMY	0.6077, 0.4273, 0.4861
CMYK	0.31, 0.00, 0.10, 0.43
HSL	160°, 19%, 48%
HSV	160°, 31%, 57%
XYZ	19.6454, 24.9227, 25.2629
YIQ	130.5360, -22.6010, -14.4170

# Conversions

## Conversions Part 2

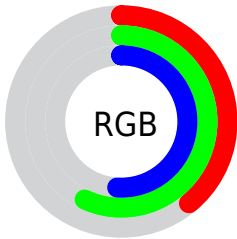
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	100, 127, 146
Decimal	6591107
CIE <sub>Lab</sub>	57.00, -19.03, 2.97
CIE <sub>LCh</sub>	57, 19.258, 171.140
Yxy	24.9227, 0.2813, 0.3569
Android (android.graphics.Color)	4284781187 (0xFF649283)
YUV	130.5360, 0.2288, -26.7801
Hunter-Lab	49.9226, -17.1218, 4.9427

# Details

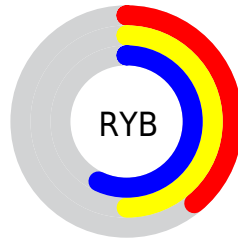
The CIELCh color **57, 19.258, 171.140** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **48, 20.908, 357.537**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 19.246, 171.399**, and **37, 18.931, 171.780** is the 20% darker color. If you saturate the color by 10%, you get **56, 24.899, 169.982**, and if you desaturate by 10%, it is **58, 13.323, 172.199**.

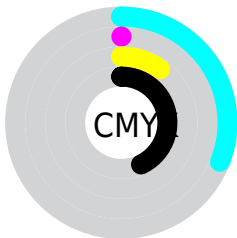
# Distribution



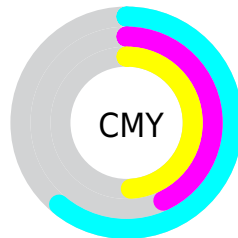
- Red (39%)
- Green (57%)
- Blue (51%)



- Red (39%)
- Yellow (50%)
- Blue (57%)



- Cyan (31%)
- Magenta (0%)
- Yellow (10%)
- Black (43%)




- Cyan (61%)
- Magenta (43%)
- Yellow (49%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 19.258, 171.140 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 57, 19.258, 171.140 by changing the saturation by 10% instead.





 57, 19.258,  
171.140


 57, 19.258,  
171.140


 100, 19.258,  
171.140


 47, 19.258,  
171.140


 77, 19.258,  
171.140

 37, 19.258,  
171.140

 87, 19.258,  
171.140

 27, 19.258,  
171.140

 97, 19.258,  
171.140

 17, 19.258,  
171.140

 7, 19.258, 171.140

 0, 19.258, 171.140

■ 57, 19.258,  
171.140

■ 57, 19.258,  
171.140

■ 56, 24.899,  
169.982

■ 58, 13.323,  
172.199

■ 55, 30.143,  
168.710

■ 59, 7.188, 173.193

■ 55, 34.896,  
167.297

■ 60, 0.938, 174.439

■ 62, 5.356, 354.818

■ 54, 39.082,  
165.720

■ 63, 11.633,  
355.652

■ 54, 42.653,  
163.960

■ 65, 17.851,  
356.417

■ 54, 45.612,  
162.005

■ 66, 23.977,  
357.140

■ 53, 47.820,  
160.293

■ 68, 29.987,  
357.829

■ 70, 35.868,  
358.487

# Harmonies

# Complementary

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



57, 19.258, 171.140



48, 20.908, 357.537

# Rectangle

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



57, 19.258, 171.140



57, 19.258, 221.140



57, 19.258, 351.140



57, 19.258, 41.140

# Sweetspot

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



57, 19.259, 171.138



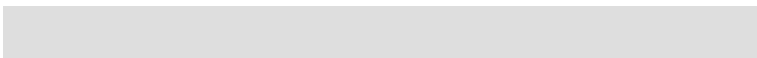
75, 6.943, 173.420



57, 28.793, 133.234



39, 4.806, 173.291



88, 0.010, 296.813



40, 0.006, 296.813





# Same Dimension

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



57, 19.259, 171.138



71, 28.260, 170.309



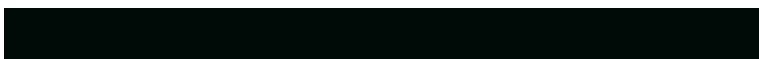
55, 14.070, 216.562



31, 3.573, 173.417



51, 45.719, 160.421



2, 3.146, 174.184



# Inverse Universe

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



48, 20.908, 357.537



57, 31.291, 358.582



49, 17.475, 35.966



29, 3.658, 354.956



28, 54.482, 17.230



1, 3.146, 354.171



# Previews

## White Background



This preview shows how the CIELCh color 57, 19.258, 171.140 looks on a white background.

## Color Contrast Check

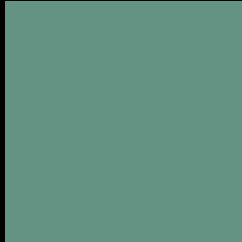
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 19.258, 171.140 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

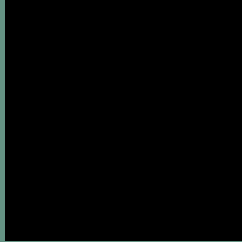
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 57, 19.258, 171.140**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 57, 19.258, 171.140.

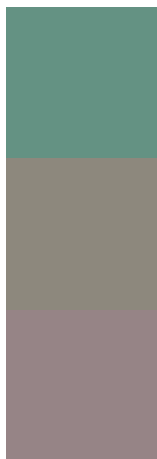


This preview shows how white text looks on a background with the CIELCh color 57, 19.258, 171.140.

# 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**  
57, 19.258, 171.140

**Protanopia**  
57, 6.565, 91.376

**Deuteranopia**  
57, 7.313, 11.208





**Tritanopia**  
57, 14.436, 224.249

# Trichromacy



**Original Color**  
57, 19.258, 171.140

**Protanomaly**  
57, 9.296, 145.860

**Deuteranomaly**  
57, 3.026, 150.386

**Tritanomaly**  
57, 14.610, 202.572

# Monochromacy



**Original Color**  
57, 19.258, 171.140

**Achromatopsia**  
55, 0.007, 296.813

**Achromatomaly**  
55, 6.879, 174.098

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 57, 19.258, 171.140 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(100, 146, 131)` looks like.

```
.text, #text, p{  
    color:rgb(100, 146, 131)  
}
```

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(100, 146, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 146, 131) }
```

## Border

The CSS property to change the border of an element to CIELCh 57, 19.258, 171.140 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(100, 146, 131) }
```

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

```
.border{ border-color:rgb(100, 146, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 146, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 146, 131); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 146, 131); box-shadow:4px 4px 4px 4px rgb(100, 146, 131) }
```

# Background

The CSS property to change the background color of an element to CIELCh 57, 19.258, 171.140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 146, 131) }
```

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

```
.background{ background-color: rgb(100,  
146, 131) }
```

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