

Converting Colors

CIELCh(57, 16.827, 169.803)

Have a look what the booklet for
CIELCh(57, 16.827, 169.803)
contains.

CIELCh(57, 16.853, 169.479)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(57, 16.853, 169.479)

Conversions

Conversions Part 1

Format	Color
Hex	6A9183
RGB	106, 145, 131
RGB Percent	42%, 57%, 51%
CMY	0.5846, 0.4317, 0.4866
CMYK	0.27, 0.00, 0.10, 0.43
HSL	158°, 16%, 49%
HSV	158°, 27%, 57%
XYZ	20.1396, 24.9227, 25.1944
YIQ	131.7430, -18.7500, -12.6220

Conversions

Conversions Part 2

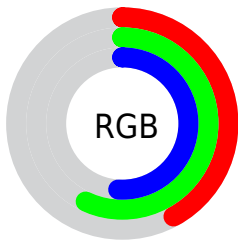
Format	Color
R_{YB}	106, 130, 145
Decimal	6984067
CIE _{Lab}	57.00, -16.57, 3.08
CIE _{LCh}	57, 16.853, 169.479
Yxy	24.9227, 0.2867, 0.3547
Android (android.graphics.Color)	4285174147 (0xFF6A9183)
YUV	131.7430, -0.3663, -22.5766
Hunter-Lab	49.9226, -15.3547, 5.0240

Details

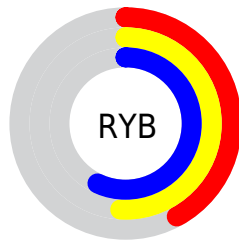
The CIELCh color $57, 16.853, 169.479$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $49, 17.917, 354.713$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $77, 16.895, 169.641$, and $37, 16.556, 170.575$ is the 20% darker color. If you saturate the color by 10%, you get $56, 22.783, 168.362$, and if you desaturate by 10%, it is $58, 10.693, 170.501$.

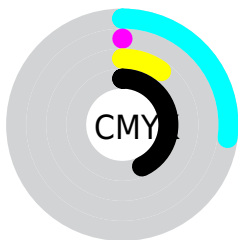
Distribution



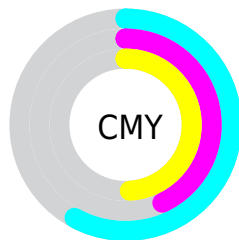
- Red (42%)
- Green (57%)
- Blue (51%)



- Red (42%)
- Yellow (51%)
- Blue (57%)



- Cyan (27%)
- Magenta (0%)
- Yellow (10%)
- Black (43%)





- Cyan (58%)
- Magenta (43%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 16.853, 169.479 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, 16.853, 169.479 by changing the saturation by 10% instead.


 57, 16.853,
169.479


 57, 16.853,
169.479


 100, 16.853,
169.479


 47, 16.853,
169.479


 77, 16.853,
169.479

 37, 16.853,
169.479

 87, 16.853,
169.479

 27, 16.853,
169.479

 97, 16.853,
169.479

 17, 16.853,
169.479

 7, 16.853, 169.479

 0, 16.853, 169.479

■ 57, 16.853,
169.479

■ 57, 16.853,
169.479

■ 56, 22.783,
168.362

■ 58, 10.693,
170.501

■ 55, 28.381,
167.135

■ 59, 4.390, 171.481

■ 55, 33.547,
165.770

■ 61, 1.974, 352.081

■ 62, 8.335, 353.029

■ 54, 38.192,
164.245

■ 63, 14.644,
353.807

■ 54, 42.249,
162.539

■ 65, 20.863,
354.533

■ 53, 45.693,
160.637

■ 67, 26.966,
355.220

■ 53, 48.594,
158.572

■ 69, 32.935,
355.872

■ 53, 49.463,

157.958

 70, 38.759,
356.495

Harmonies

Complementary

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



57, 16.853, 169.479



49, 17.917, 354.713

Rectangle

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



57, 16.853, 169.479



57, 16.853, 219.479



57, 16.853, 349.479



57, 16.853, 39.479

Sweetspot

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



57, 16.854, 169.477



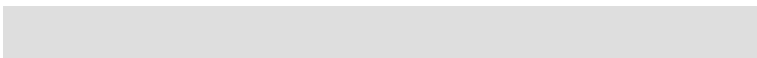
75, 6.303, 171.355



57, 24.229, 132.401



39, 4.463, 171.220



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, 16.854, 169.477



72, 24.666, 168.848



56, 12.421, 212.268



30, 3.542, 171.257



50, 46.887, 158.115



2, 2.406, 172.014

Inverse Universe

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



49, 17.917, 354.713



60, 26.580, 355.447



50, 14.913, 32.630



28, 3.617, 352.772



28, 53.199, 14.070



1, 2.406, 352.001

Previews

White Background



This preview shows how the CIELCh color 57, 16.853, 169.479 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, 16.853, 169.479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

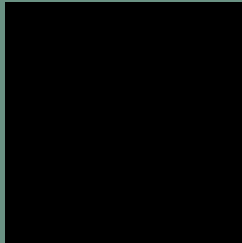
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 16.853, 169.479

Background



This preview shows how black text looks on a background with the CIELCh color 57, 16.853, 169.479.



This preview shows how white text looks on a background with the CIELCh color 57, 16.853, 169.479.

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, 16.853, 169.479

Protanopia
57, 6.025, 89.815

Deuteranopia
57, 7.313, 11.208



Tritanopia
57, 12.749, 228.155

Trichromacy



Original Color
57, 16.853, 169.479

Protanomaly
57, 7.670, 144.023

Deuteranomaly
57, 2.575, 137.232

Tritanomaly
57, 12.345, 203.609

Monochromacy



Original Color
57, 16.853, 169.479

Achromatopsia
55, 0.007, 296.813

Achromatomaly
56, 6.188, 171.278

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 16.853, 169.479 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(106, 145, 131)` looks like.

```
.text, #text, p{  
    color:rgb(106, 145, 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(106, 145, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 145, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 16.853, 169.479 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(106, 145, 131) }
```

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

```
.border{ border-color:rgb(106, 145, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 145, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 145, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 145, 131);  
box-shadow:4px 4px 4px 4px rgb(106, 145,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 16.853, 169.479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 145, 131) }
```

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

```
.background{ background-color: rgb(106,  
145, 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