

Converting Colors

CIELCh(57, 65.220, 146.137)

Have a look what the booklet for
CIELCh(57, 65.220, 146.137)
contains.

CIELCh(57, 65.374, 146.078)	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, 65.374, 146.078)

Conversions

Conversions Part 1

Format	Color
Hex	0C9E45
RGB	12, 158, 69
RGB Percent	5%, 62%, 27%
CMY	0.9543, 0.3808, 0.7298
CMYK	0.93, 0.00, 0.56, 0.38
HSL	143°, 86%, 33%
HSV	143°, 93%, 62%
XYZ	13.4274, 24.9227, 9.7181
YIQ	104.2000, -58.4470, -58.6310

Conversions

Conversions Part 2

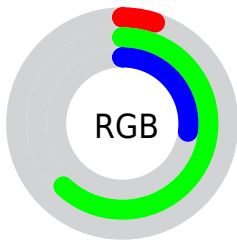
Format	Color
R_{YB}	12, 117, 158
Decimal	826949
CIE _{Lab}	57.00, -54.25, 36.48
CIE _{LCh}	57, 65.374, 146.078
Yxy	24.9227, 0.2793, 0.5185
Android (android.graphics.Color)	4279017029 (0xFF0C9E45)
YUV	104.2000, -17.3536, -80.8594
Hunter-Lab	49.9226, -39.3545, 23.4043

Details

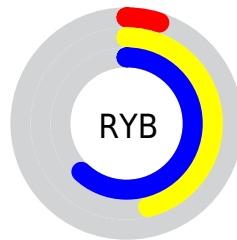
The CIELCh color **57, 65.374, 146.078** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **35, 60.717, 349.868**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **77, 65.314, 146.235**, and **38, 57.976, 139.067** is the 20% darker color. If you saturate the color by 10%, you get **57, 68.560, 144.603**, and if you desaturate by 10%, it is **57, 60.552, 148.093**.

Distribution



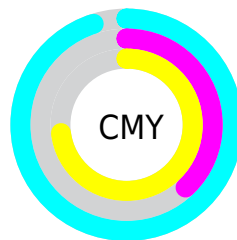
- Red (5%)
- Green (62%)
- Blue (27%)



- Red (5%)
- Yellow (46%)
- Blue (62%)



- Cyan (93%)
- Magenta (0%)
- Yellow (56%)
- Black (38%)





- Cyan (95%)
- Magenta (38%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 65.374, 146.078 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, 65.374, 146.078 by changing the saturation by 10% instead.


 57, 65.374,
146.078


 57, 65.374,
146.078


 100, 65.374,
146.078


 47, 65.374,
146.078


 77, 65.374,
146.078

 37, 65.374,
146.078

 87, 65.374,
146.078

 27, 65.374,
146.078

 97, 65.374,
146.078

 17, 65.374,
146.078

 7, 65.374, 146.078

 0, 65.374, 146.078

■ 57, 65.374,
146.078

■ 57, 65.374,
146.078

■ 57, 68.560,
144.603

■ 57, 60.552,
148.093

■ 58, 54.962,
149.936

■ 58, 48.648,
151.586

■ 59, 41.705,
153.042

■ 60, 34.258,
154.321

■ 61, 26.448,
155.443

■ 62, 18.409,
156.430

■ 63, 10.264,

157.310

■ 65, 2.116, 158.195

Harmonies

Complementary

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



57, 65.374, 146.078



35, 60.717, 349.868

Rectangle

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



57, 65.374, 146.078



57, 65.374, 196.078



57, 65.374, 326.078



57, 65.374, 16.078

Sweetspot

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



57, 65.374, 146.078



77, 28.031, 155.861



59, 71.030, 122.805



40, 19.268, 155.450



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



57, 65.374, 146.078



72, 83.724, 144.161



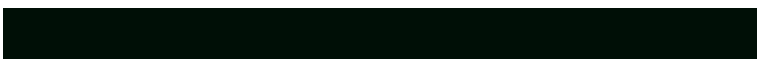
58, 38.265, 181.263



33, 4.600, 157.590



52, 63.411, 144.808



3, 6.100, 157.325

Inverse Universe

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



35, 60.717, 349.868



45, 74.061, 352.390



33, 64.217, 31.228



31, 4.635, 338.874



31, 57.184, 351.493



1, 5.878, 339.713

Previews

White Background



This preview shows how the CIELCh color 57, 65.374, 146.078 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, 65.374, 146.078 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, 65.374, 146.078

Background



This preview shows how black text looks on a background with the CIELCh color 57, 65.374, 146.078.

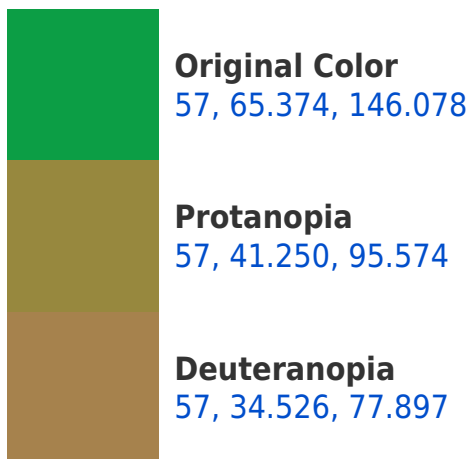


This preview shows how white text looks on a background with the CIELCh color 57, 65.374, 146.078.

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
57, 25.871, 212.767

Trichromacy



Original Color
57, 65.374, 146.078



Protanomaly
55, 47.103, 128.601



Deuteranomaly
55, 38.859, 125.285



Tritanomaly
57, 36.601, 173.040

Monochromacy



Original Color
57, 65.374, 146.078



Achromatopsia
44, 0.006, 296.813



Achromatomaly
48, 28.787, 154.210

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 65.374, 146.078 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(12, 158, 69)` looks like.

```
.text, #text, p{  
    color:rgb(12, 158, 69)  
}
```

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(12, 158, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 158, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 65.374, 146.078 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(12, 158, 69) }
```

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

```
.border{ border-color:rgb(12, 158, 69) }
```

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

Here you see how a box with a 4 pixel rgb(12, 158, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 158, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 158, 69);  
box-shadow:4px 4px 4px 4px rgb(12, 158,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 65.374, 146.078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 158, 69) }
```

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

```
.background{ background-color: rgb(12, 158,  
69) }
```

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