

Converting Colors

CIELCh(57, 68.103, 148.434)

Have a look what the booklet for
CIELCh(57, 68.103, 148.434)
contains.

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Color

CIELCh(57, 65.962, 146.617)

Conversions

Conversions Part 1

Format	Color
Hex	009E45
RGB	0, 158, 69
RGB Percent	0%, 62%, 27%
CMY	1.0000, 0.3797, 0.7284
CMYK	1.00, 0.00, 0.56, 0.38
HSL	146°, 100%, 31%
HSV	146°, 100%, 62%
XYZ	13.2991, 24.9227, 9.7796
YIQ	100.6120, -65.5990, -61.1750

Conversions

Conversions Part 2

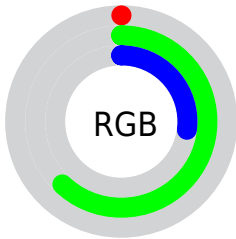
Format	Color
RYB	0, 110, 158
Decimal	40517
CIELab	57.00, -55.08, 36.29
CIELCh	57, 65.962, 146.617
Yxy	24.9227, 0.2771, 0.5192
Android (android.graphics.Color)	4278230597 (0xFF009E45)
YUV	100.6120, -15.5847, -88.2367
Hunter-Lab	49.9226, -39.8131, 23.3312

Details

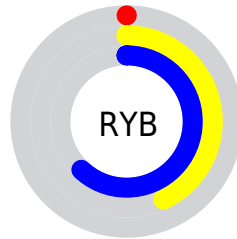
The CIELCh color **57, 65.962, 146.617** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **34, 60.360, 355.769**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **77, 65.801, 146.657**, and **38, 57.976, 139.067** is the 20% darker color. If you saturate the color by 10%, you get **57, 65.843, 146.521**, and if you desaturate by 10%, it is **57, 61.640, 148.597**.

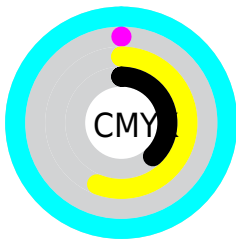
Distribution



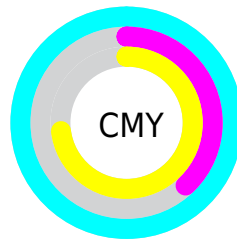
- Red (0%)
- Green (62%)
- Blue (27%)



- Red (0%)
- Yellow (43%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (56%)
- Black (38%)





- Cyan (100%)
- Magenta (38%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 65.962, 146.617 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, 65.962, 146.617 by changing the saturation by 10% instead.


 57, 65.962,
146.617


 57, 65.962,
146.617


 100, 65.962,
146.617


 47, 65.962,
146.617


 77, 65.962,
146.617

 37, 65.962,
146.617

 87, 65.962,
146.617

 27, 65.962,
146.617

 97, 65.962,
146.617

 17, 65.962,
146.617

 7, 65.962, 146.617

 0, 65.962, 146.617

■ 57, 65.962,
146.617

■ 57, 65.962,
146.617

■ 57, 65.843,
146.521

■ 57, 61.640,
148.597

■ 58, 56.844,
150.609

■ 58, 51.325,
152.428

■ 59, 45.129,
154.047

■ 59, 38.348,
155.475

■ 60, 31.102,
156.731

■ 61, 23.524,
157.838

■ 62, 15.741,

158.821

■ 64, 7.866, 159.709

Harmonies

Complementary

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



57, 65.962, 146.617



34, 60.360, 355.769

Rectangle

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



57, 65.962, 146.617



57, 65.962, 196.617



57, 65.962, 326.617



57, 65.962, 16.617

Sweetspot

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



57, 65.843, 146.521



78, 29.226, 157.777



59, 74.560, 125.470



41, 20.041, 157.351



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



57, 65.843, 146.521



73, 81.088, 146.048



59, 37.139, 186.793



33, 4.445, 159.774



52, 60.819, 146.735



3, 5.910, 159.357

Inverse Universe

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



34, 60.360, 355.769



45, 73.369, 356.527



33, 70.293, 36.916



31, 4.487, 341.113



30, 56.087, 355.433



1, 5.697, 341.901

Previews

White Background



This preview shows how the CIELCh color 57, 65.962, 146.617 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 CIE LCh color 57, 65.962, 146.617 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, 65.962, 146.617

Background



This preview shows how black text looks on a background with the CIELCh color 57, 65.962, 146.617.



This preview shows how white text looks on a background with the CIELCh color 57, 65.962, 146.617.

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, 65.857, 146.474

Protanopia
57, 41.250, 95.574

Deuteranopia
57, 34.526, 77.897



Tritanopia
57, 26.269, 212.484

Trichromacy



Original Color
57, 65.857, 146.474



Protanomaly
55, 47.799, 130.249



Deuteranomaly
54, 39.485, 127.475



Tritanomaly
57, 36.973, 174.192

Monochromacy



Original Color
57, 65.857, 146.474



Achromatopsia
43, 0.006, 296.813



Achromatomaly
47, 29.814, 155.628

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 65.962, 146.617 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(0, 158, 69)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 158, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 65.962, 146.617 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(0, 158, 69) }
```

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

```
.border{ border-color:rgb(0, 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(0, 158, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 69);  
box-shadow:4px 4px 4px 4px rgb(0, 158, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 57, 65.962, 146.617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 69) }
```

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

```
.background{ background-color: rgb(0, 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](#).

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