

Converting Colors

CIELCh(58, 93.546, 160.723)

Have a look what the booklet for
CIELCh(58, 93.546, 160.723)
contains.

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Color

CIELCh(61, 67.092, 148.146)

Conversions

Conversions Part 1

Format	Color
Hex	00AA51
RGB	0, 170, 81
RGB Percent	0%, 67%, 32%
CMY	1.0000, 0.3342, 0.6832
CMYK	1.00, 0.00, 0.52, 0.33
HSL	149°, 100%, 33%
HSV	149°, 100%, 67%
XYZ	15.7977, 29.2481, 12.5569
YIQ	109.0240, -72.7510, -63.7190

Conversions

Conversions Part 2

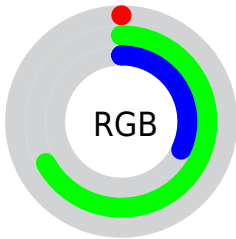
Format	Color
RYB	0, 115, 170
Decimal	43601
CIELab	61.00, -56.99, 35.41
CIELCh	61, 67.092, 148.146
Yxy	29.2481, 0.2743, 0.5078
Android (android.graphics.Color)	4278233681 (0xFF00AA51)
YUV	109.0240, -13.8158, -95.6140
Hunter-Lab	54.0815, -42.5012, 24.0908

Details

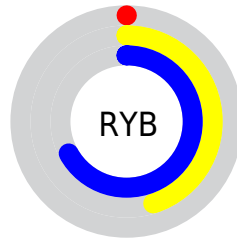
The CIELCh color **61, 67.092, 148.146** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **36, 62.824, 359.454**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **81, 67.355, 148.051**, and **42, 59.071, 141.296** is the 20% darker color. If you saturate the color by 10%, you get **61, 67.060, 148.121**, and if you desaturate by 10%, it is **61, 62.852, 150.263**.

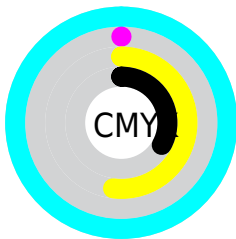
Distribution



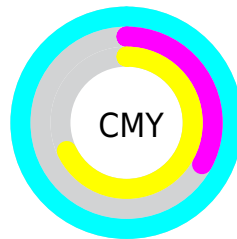
- Red (0%)
- Green (67%)
- Blue (32%)



- Red (0%)
- Yellow (45%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (33%)





- Cyan (100%)
- Magenta (33%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 67.092, 148.146 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 61, 67.092, 148.146 by changing the saturation by 10% instead.


 61, 67.092,
148.146


 61, 67.092,
148.146


 100, 67.092,
148.146


 51, 67.092,
148.146


 81, 67.092,
148.146

 41, 67.092,
148.146

 91, 67.092,
148.146

 31, 67.092,
148.146

 21, 67.092,
148.146

 11, 67.092,
148.146

 1, 67.092, 148.146

 0, 67.092, 148.146

■ 61, 67.092,
148.146

■ 61, 67.092,
148.146

■ 61, 67.060,
148.121

■ 61, 62.852,
150.263

■ 62, 58.036,
152.315

■ 62, 52.478,
154.167

■ 63, 46.210,
155.813

■ 63, 39.322,
157.267

■ 64, 31.935,
158.549

■ 65, 24.184,
159.682

■ 67, 16.200,

160.693

■ 68, 8.104, 161.611

Harmonies

Complementary

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



61, 67.092, 148.146



36, 62.824, 359.454

Rectangle

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



61, 67.092, 148.146



61, 67.092, 198.146



61, 67.092, 328.146



61, 67.092, 18.146

Sweetspot

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



61, 67.060, 148.121



83, 30.053, 159.624



62, 79.485, 126.794



44, 20.597, 159.173



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



61, 67.060, 148.121



78, 82.649, 147.671



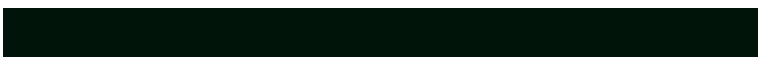
63, 37.932, 191.429



35, 4.553, 161.675



54, 60.243, 148.402



5, 8.719, 159.088

Inverse Universe

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



36, 62.824, 359.454



48, 76.549, 0.261



35, 75.575, 38.518



33, 4.604, 343.075



31, 56.844, 358.964



2, 7.911, 346.345

Previews

White Background



This preview shows how the CIELCh color 61, 67.092, 148.146 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 61, 67.092, 148.146 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 61, 67.092, 148.146

Background



This preview shows how black text looks on a background with the CIELCh color 61, 67.092, 148.146.



This preview shows how white text looks on a background with the CIELCh color 61, 67.092, 148.146.

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

61, 67.092, 148.146

Protanopia

61, 40.539, 95.281

Deuteranopia

61, 33.321, 76.946



Tritanopia
61, 27.884, 212.587

Trichromacy



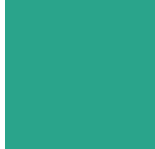
Original Color
61, 67.092, 148.146



Protanomaly
59, 48.106, 131.969



Deuteranomaly
58, 39.243, 130.014



Tritanomaly
61, 38.973, 174.779

Monochromacy



Original Color
61, 67.092, 148.146



Achromatopsia
46, 0.006, 296.813



Achromatomaly
50, 30.102, 158.160

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 67.092, 148.146 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, 170, 81)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 81)  
}
```

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, 170, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 67.092, 148.146 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, 170, 81) }
```

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

```
.border{ border-color:rgb(0, 170, 81) }
```

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

Here you see how a box with a 4 pixel rgb(0, 170, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 81);  
box-shadow:4px 4px 4px 4px rgb(0, 170, 81)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 61, 67.092, 148.146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 81) }
```

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

```
.background{ background-color: rgb(0, 170,  
81) }
```

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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