

Converting Colors

CIELCh(60, 71.700, 149.682)

Have a look what the booklet for
CIELCh(60, 71.700, 149.682)
contains.

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Color

CIELCh(61, 68.164, 147.186)

Conversions

Conversions Part 1

Format	Color
Hex	03AA4E
RGB	3, 170, 78
RGB Percent	1%, 67%, 31%
CMY	0.9875, 0.3340, 0.6951
CMYK	0.98, 0.00, 0.54, 0.33
HSL	147°, 96%, 34%
HSV	147°, 98%, 67%
XYZ	15.7461, 29.2481, 11.9738
YIQ	109.5790, -70.0000, -64.0160

Conversions

Conversions Part 2

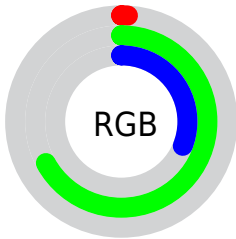
Format	Color
RYB	3, 118, 170
Decimal	240206
CIELab	61.00, -57.29, 36.94
CIELCh	61, 68.164, 147.186
Yxy	29.2481, 0.2764, 0.5134
Android (android.graphics.Color)	4278430286 (0xFF03AA4E)
YUV	109.5790, -15.5684, -93.4698
Hunter-Lab	54.0815, -42.6715, 24.7301

Details

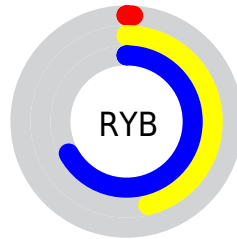
The CIELCh color **61, 68.164, 147.186** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **37, 63.135, 356.248**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **81, 68.379, 147.118**, and **42, 60.088, 140.558** is the 20% darker color. If you saturate the color by 10%, you get **61, 68.961, 146.807**, and if you desaturate by 10%, it is **61, 63.731, 149.320**.

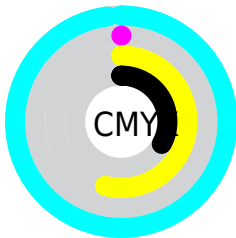
Distribution



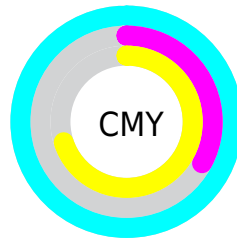
- Red (1%)
- Green (67%)
- Blue (31%)



- Red (1%)
- Yellow (46%)
- Blue (67%)



- Cyan (98%)
- Magenta (0%)
- Yellow (54%)
- Black (33%)



- Cyan (99%)
- Magenta (33%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 68.164, 147.186 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, 68.164, 147.186 by changing the saturation by 10% instead.

 61, 68.164,
147.186


 61, 68.164,
147.186


 100, 68.164,
147.186


 51, 68.164,
147.186


 81, 68.164,
147.186

 41, 68.164,
147.186

 91, 68.164,
147.186

 31, 68.164,
147.186

 21, 68.164,
147.186

 11, 68.164,
147.186

 1, 68.164, 147.186

 0, 68.164, 147.186

■ 61, 68.164,
147.186

■ 61, 68.164,
147.186

■ 61, 68.961,
146.807

■ 61, 63.731,
149.320

■ 62, 58.597,
151.323

■ 62, 52.705,
153.127

■ 63, 46.106,
154.728

■ 64, 38.904,
156.139

■ 64, 31.229,
157.380

■ 66, 23.220,
158.475

■ 67, 15.013,

159.450

■ 68, 6.724, 160.339

Harmonies

Complementary

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



61, 68.164, 147.186



37, 63.135, 356.248

Rectangle

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



61, 68.164, 147.186



61, 68.164, 197.186



61, 68.164, 327.186



61, 68.164, 17.186

Sweetspot

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



61, 68.164, 147.186



83, 29.730, 158.330



63, 78.041, 125.392



44, 20.504, 157.884



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, 68.164, 147.186



78, 84.979, 146.363



63, 38.981, 186.894



35, 4.649, 160.238



54, 61.933, 147.085



5, 8.874, 157.948

Inverse Universe

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



37, 63.135, 356.248



48, 77.125, 357.589



35, 73.307, 36.595



33, 4.695, 341.603



32, 57.323, 356.400



2, 8.051, 344.882

Previews

White Background



This preview shows how the CIELCh color 61, 68.164, 147.186 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, 68.164, 147.186 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, 68.164, 147.186

Background



This preview shows how black text looks on a background with the CIELCh color 61, 68.164, 147.186.

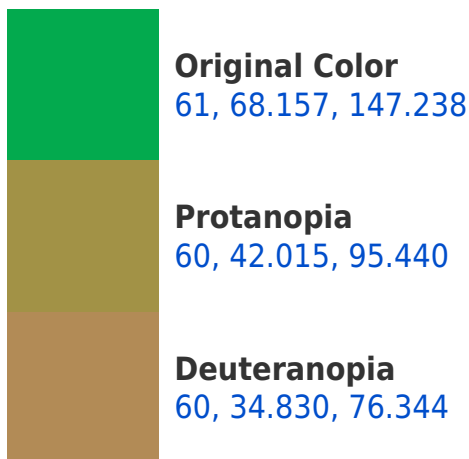


This preview shows how white text looks on a background with the CIELCh color 61, 68.164, 147.186.

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
61, 27.884, 212.587

Trichromacy



Original Color
61, 68.157, 147.238



Protanomaly
59, 49.273, 130.767



Deuteranomaly
58, 39.910, 128.342



Tritanomaly
61, 39.158, 173.989

Monochromacy



Original Color
61, 68.157, 147.238



Achromatopsia
46, 0.006, 296.813



Achromatomaly
50, 30.033, 156.694

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 68.164, 147.186 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(3, 170, 78)` looks like.

```
.text, #text, p{  
    color:rgb(3, 170, 78)  
}
```

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(3, 170, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 170, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 68.164, 147.186 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(3, 170, 78) }
```

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

```
.border{ border-color:rgb(3, 170, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 170, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 170, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 170, 78);  
box-shadow:4px 4px 4px 4px rgb(3, 170, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 61, 68.164, 147.186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 170, 78) }
```

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

```
.background{ background-color: rgb(3, 170,  
78) }
```

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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