

Converting Colors

CIELCh(60, 67.768, 145.804)

Have a look what the booklet for
CIELCh(60, 67.768, 145.804)
contains.

CIELCh(60, 67.948, 145.762)	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(60, 67.948, 145.762)

Conversions

Conversions Part 1

Format	Color
Hex	12A749
RGB	18, 167, 73
RGB Percent	7%, 65%, 29%
CMY	0.9289, 0.3464, 0.7149
CMYK	0.89, 0.00, 0.56, 0.35
HSL	142°, 80%, 36%
HSV	142°, 89%, 65%
XYZ	15.2027, 28.1233, 10.8788
YIQ	111.7330, -58.6300, -60.8220

Conversions

Conversions Part 2

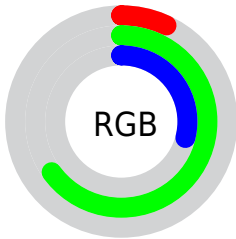
Format	Color
RYB	18, 127, 167
Decimal	1222473
CIELab	60.00, -56.17, 38.23
CIELCh	60, 67.948, 145.762
Yxy	28.1233, 0.2805, 0.5188
Android (android.graphics.Color)	4279412553 (0xFF12A749)
YUV	111.7330, -19.0954, -82.2038
Hunter-Lab	53.0314, -41.6338, 24.9593

Details

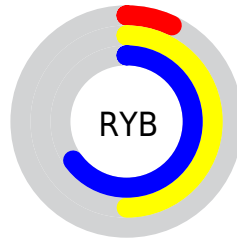
The CIELCh color **60, 67.948, 145.762** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **37, 63.540, 347.365**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **80, 67.741, 145.778**, and **41, 60.555, 139.428** is the 20% darker color. If you saturate the color by 10%, you get **60, 72.586, 143.749**, and if you desaturate by 10%, it is **60, 62.544, 147.711**.

Distribution



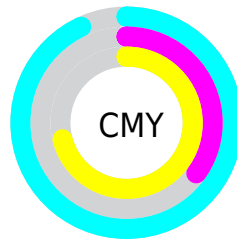
- Red (7%)
- Green (65%)
- Blue (29%)



- Red (7%)
- Yellow (50%)
- Blue (65%)



- Cyan (89%)
- Magenta (0%)
- Yellow (56%)
- Black (35%)





- Cyan (93%)
- Magenta (35%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 67.948, 145.762 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 60, 67.948, 145.762 by changing the saturation by 10% instead.


 60, 67.948,
145.762


 60, 67.948,
145.762


 100, 67.948,
145.762


 50, 67.948,
145.762


 80, 67.948,
145.762

 40, 67.948,
145.762

 90, 67.948,
145.762


 30, 67.948,
145.762

 20, 67.948,
145.762

 10, 67.948,
145.762

 0, 67.948, 145.762

 60, 67.948,

 60, 67.948,

145.762

145.762

■ 60, 72.586,
143.749

■ 60, 62.544,
147.711

■ 60, 72.973,
143.586

■ 61, 56.315,
149.484

■ 61, 49.334,
151.065

■ 62, 41.722,
152.456

■ 63, 33.625,
153.674

■ 64, 25.195,
154.740

■ 66, 16.575,
155.678

■ 67, 7.890, 156.520

Harmonies

Complementary

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



60, 67.948, 145.762



37, 63.540, 347.365

Rectangle

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



60, 67.948, 145.762



60, 67.948, 195.762



60, 67.948, 325.762



60, 67.948, 15.762

Sweetspot

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



60, 67.948, 145.762



82, 28.940, 154.902



63, 72.455, 121.854



43, 19.631, 154.576



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



60, 67.948, 145.762



76, 89.586, 143.166



61, 40.069, 179.770



35, 4.932, 156.506



53, 66.501, 143.815



5, 9.330, 154.954

Inverse Universe

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



37, 63.540, 347.365



48, 78.365, 350.470



36, 64.391, 28.615



33, 4.966, 337.775



32, 59.337, 349.631



2, 8.500, 340.814

Previews

White Background



This preview shows how the CIELCh color 60, 67.948, 145.762 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 60, 67.948, 145.762 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 60, 67.948, 145.762

Background



This preview shows how black text looks on a background with the CIELCh color 60, 67.948, 145.762.

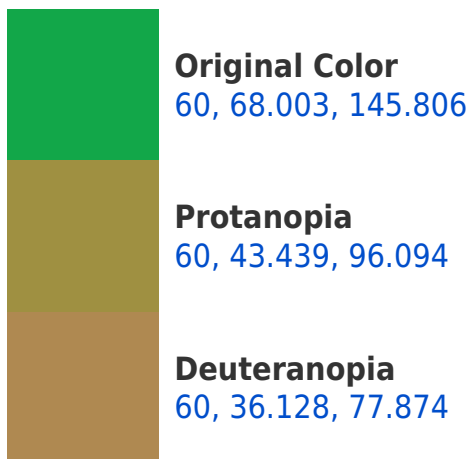


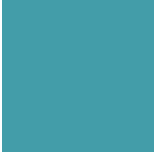
This preview shows how white text looks on a background with the CIELCh color 60, 67.948, 145.762.

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
60, 27.050, 211.894

Trichromacy



Original Color
60, 68.003, 145.806



Protanomaly
58, 49.078, 127.449



Deuteranomaly
58, 40.517, 124.295



Tritanomaly
60, 38.115, 172.416

Monochromacy



Original Color
60, 68.003, 145.806



Achromatopsia
47, 0.006, 296.813



Achromatomaly
51, 28.961, 153.688

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 67.948, 145.762 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(18, 167, 73)` looks like.

```
.text, #text, p{  
    color:rgb(18, 167, 73)  
}
```

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(18, 167, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 167, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 67.948, 145.762 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(18, 167, 73) }
```

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

```
.border{ border-color:rgb(18, 167, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 167, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 167, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 167, 73);  
box-shadow:4px 4px 4px 4px rgb(18, 167,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 67.948, 145.762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 167, 73) }
```

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

```
.background{ background-color: rgb(18, 167,  
73) }
```

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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