

Converting Colors

CIELCh(61, 47.198, 160.552)

Have a look what the booklet for
CIELCh(61, 47.198, 160.552)
contains.

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Color

CIELCh(61, 47.058, 160.689)

Conversions

Conversions Part 1

Format	Color
Hex	2DA676
RGB	45, 166, 118
RGB Percent	18%, 65%, 46%
CMY	0.8221, 0.3480, 0.5363
CMYK	0.73, 0.00, 0.29, 0.35
HSL	156°, 57%, 41%
HSV	156°, 73%, 65%
XYZ	18.0667, 29.2481, 21.9087
YIQ	124.3490, -56.7080, -40.5800

Conversions

Conversions Part 2

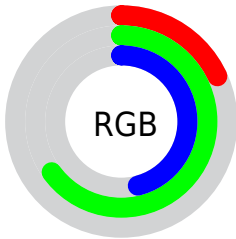
Format	Color
RYB	45, 120, 166
Decimal	2991734
CIELab	61.00, -44.41, 15.56
CIElCh	61, 47.058, 160.689
Yxy	29.2481, 0.2610, 0.4225
Android (android.graphics.Color)	4281181814 (0xFF2DA676)
YUV	124.3490, -3.1301, -69.5891
Hunter-Lab	54.0815, -35.0122, 13.8384

Details

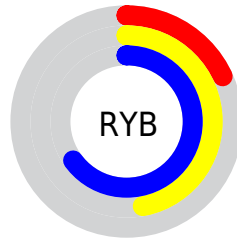
The CIELCh color **61, 47.058, 160.689** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **39, 52.565, 0.739**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 47.159, 160.502**, and **42, 42.378, 156.549** is the 20% darker color. If you saturate the color by 10%, you get **61, 51.427, 158.801**, and if you desaturate by 10%, it is **62, 42.002, 162.374**.

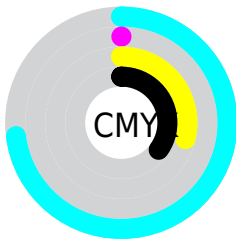
Distribution



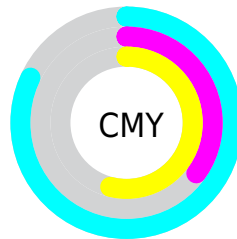
- Red (18%)
- Green (65%)
- Blue (46%)



- Red (18%)
- Yellow (47%)
- Blue (65%)



- Cyan (73%)
- Magenta (0%)
- Yellow (29%)
- Black (35%)





- Cyan (82%)
- Magenta (35%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 47.058, 160.689 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, 47.058, 160.689 by changing the saturation by 10% instead.

 61, 47.058,
160.689


 61, 47.058,
160.689


 100, 47.058,
160.689

 51, 47.058,
160.689

 81, 47.058,
160.689

 41, 47.058,
160.689

 91, 47.058,
160.689

 31, 47.058,
160.689

 21, 47.058,
160.689

 11, 47.058,
160.689

 1, 47.058, 160.689

 0, 47.058, 160.689

■ 61, 47.058,
160.689

■ 61, 47.058,
160.689

■ 61, 51.427,
158.801

■ 62, 42.002,
162.374

■ 60, 55.114,
156.710

■ 62, 36.310,
163.874

■ 60, 57.519,
155.150

■ 63, 30.075,
165.212

■ 64, 23.409,
166.412

■ 65, 16.431,
167.497

■ 66, 9.254, 168.497

■ 68, 1.977, 169.550

■ 69, 5.316, 350.113

■ 71, 12.559,
350.930

Harmonies

Complementary

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



61, 47.058, 160.689



39, 52.565, 0.739

Rectangle

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



61, 47.058, 160.689



61, 47.058, 210.689



61, 47.058, 340.689



61, 47.058, 30.689

Sweetspot

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



61, 47.058, 160.688



83, 19.750, 167.530



62, 68.092, 129.554



44, 13.346, 167.259



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



61, 47.058, 160.688



77, 65.398, 157.593



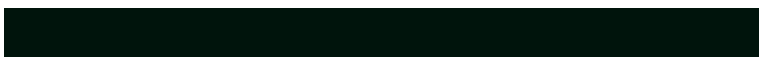
59, 29.905, 210.372



35, 4.163, 168.828



54, 52.549, 155.391



5, 8.036, 165.034

Inverse Universe

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



39, 52.565, 0.739



48, 71.706, 6.326



40, 54.182, 35.589



33, 4.242, 350.362



31, 56.431, 10.931



2, 7.379, 353.123

Previews

White Background



This preview shows how the CIE LCh color 61, 47.058, 160.689 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 61, 47.058, 160.689 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, 47.058, 160.689

Background



This preview shows how black text looks on a background with the CIELCh color 61, 47.058, 160.689.

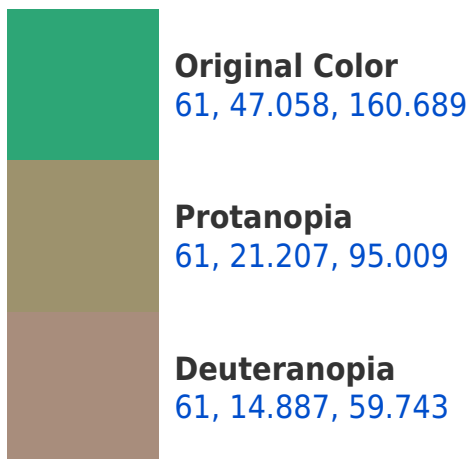


This preview shows how white text looks on a background with the CIELCh color 61, 47.058, 160.689.

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, 27.130, 213.093

Trichromacy



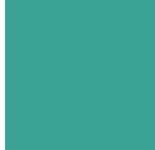
Original Color
61, 47.058, 160.689



Protanomaly
60, 27.393, 140.246



Deuteranomaly
59, 19.138, 142.400



Tritanomaly
61, 31.795, 186.351

Monochromacy



Original Color
61, 47.058, 160.689



Achromatopsia
52, 0.007, 296.813



Achromatomaly
55, 19.423, 167.271

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 47.058, 160.689 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(45, 166, 118)` looks like.

```
.text, #text, p{  
    color:rgb(45, 166, 118)  
}
```

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(45, 166, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 166, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 47.058, 160.689 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(45, 166, 118) }
```

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

```
.border{ border-color:rgb(45, 166, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 166, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 166, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 166, 118);  
box-shadow:4px 4px 4px 4px rgb(45, 166,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 47.058, 160.689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 166, 118) }
```

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

```
.background{ background-color: rgb(45, 166,  
118) }
```

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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