

Converting Colors

CIELCh(61, 47.721, 166.504)

Have a look what the booklet for
CIELCh(61, 47.721, 166.504)
contains.

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Color

CIELCh(61, 47.651, 166.516)

Conversions

Conversions Part 1

Format	Color
Hex	07A77E
RGB	7, 167, 126
RGB Percent	3%, 65%, 49%
CMY	0.9740, 0.3445, 0.5053
CMYK	0.96, 0.00, 0.25, 0.34
HSL	165°, 92%, 34%
HSV	165°, 96%, 66%
XYZ	17.7058, 29.2481, 24.5009
YIQ	114.4860, -82.1990, -46.6710

Conversions

Conversions Part 2

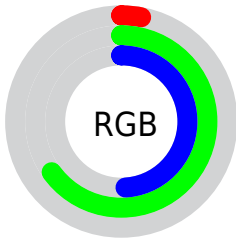
Format	Color
RYB	7, 99, 167
Decimal	501630
CIELab	61.00, -46.34, 11.11
CIELCh	61, 47.651, 166.516
Yxy	29.2481, 0.2478, 0.4093
Android (android.graphics.Color)	4278691710 (0xFF07A77E)
YUV	114.4860, 5.6764, -94.2652
Hunter-Lab	54.0815, -36.2034, 10.9966

Details

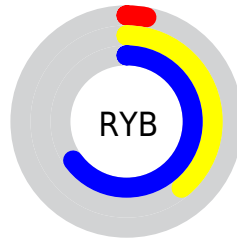
The CIELCh color **61, 47.651, 166.516** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **35, 63.582, 22.561**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **81, 47.444, 166.658**, and **42, 39.537, 160.997** is the 20% darker color. If you saturate the color by 10%, you get **61, 48.536, 165.758**, and if you desaturate by 10%, it is **61, 45.241, 168.437**.

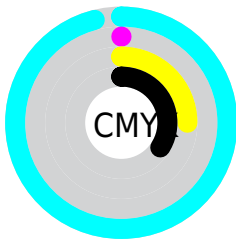
Distribution



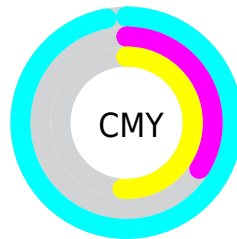
- Red (3%)
- Green (65%)
- Blue (49%)



- Red (3%)
- Yellow (39%)
- Blue (65%)



- Cyan (96%)
- Magenta (0%)
- Yellow (25%)
- Black (34%)





- Cyan (97%)
- Magenta (34%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 47.651, 166.516 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, 47.651, 166.516 by changing the saturation by 10% instead.


 61, 47.651,
166.516


 61, 47.651,
166.516


 100, 47.651,
166.516


 51, 47.651,
166.516


 81, 47.651,
166.516

 41, 47.651,
166.516

 91, 47.651,
166.516

 31, 47.651,
166.516

 21, 47.651,
166.516

 11, 47.651,
166.516

 1, 47.651, 166.516

 0, 47.651, 166.516

■ 61, 47.651,
166.516

■ 61, 47.651,
166.516

■ 61, 48.536,
165.758

■ 61, 45.241,
168.437

■ 62, 42.174,
170.182

■ 62, 38.393,
171.750

■ 63, 33.917,
173.161

■ 63, 28.809,
174.437

■ 64, 23.161,
175.603

■ 65, 17.082,
176.679

■ 66, 10.681,

177.689

■ 68, 4.060, 178.687

Harmonies

Complementary

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



61, 47.651, 166.516



35, 63.582, 22.561

Rectangle

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



61, 47.651, 166.516



61, 47.651, 216.516



61, 47.651, 346.516



61, 47.651, 36.516

Sweetspot

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



61, 47.651, 166.515



82, 23.353, 176.312



60, 83.305, 133.485



43, 16.015, 175.868



94, 0.011, 296.813



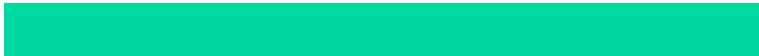
46, 0.006, 296.813

Same Dimension

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



61, 47.651, 166.515



77, 59.246, 165.354



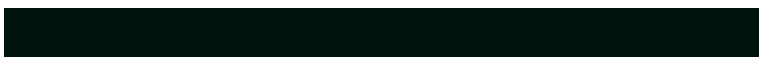
50, 32.277, 240.786



35, 3.818, 178.352



54, 44.219, 165.984



5, 7.309, 174.218

Inverse Universe

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



35, 63.582, 22.561



46, 79.783, 25.670



38, 68.392, 44.582



33, 3.936, 359.923



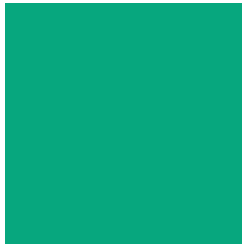
30, 59.383, 23.912



1, 6.927, 1.744

Previews

White Background



This preview shows how the CIE LCh color 61, 47.651, 166.516 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, 47.651, 166.516 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, 47.651, 166.516

Background



This preview shows how black text looks on a background with the CIELCh color 61, 47.651, 166.516.



This preview shows how white text looks on a background with the CIELCh color 61, 47.651, 166.516.

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, 30.017, 211.303

Trichromacy



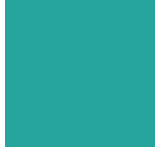
Original Color
61, 47.611, 166.493



Protanomaly
59, 28.031, 153.839



Deuteranomaly
59, 20.313, 161.720



Tritanomaly
61, 34.521, 190.774

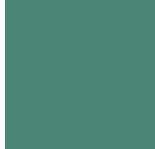
Monochromacy



Original Color
61, 47.611, 166.493



Achromatopsia
48, 0.006, 296.813



Achromatomaly
51, 22.909, 174.593

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 47.651, 166.516 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(7, 167, 126)` looks like.

```
.text, #text, p{  
    color:rgb(7, 167, 126)  
}
```

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(7, 167, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 167, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 47.651, 166.516 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(7, 167, 126) }
```

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

```
.border{ border-color:rgb(7, 167, 126) }
```

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

Here you see how a box with a 4 pixel rgb(7, 167, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 167, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 167, 126);  
box-shadow:4px 4px 4px 4px rgb(7, 167,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 47.651, 166.516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 167, 126) }
```

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

```
.background{ background-color: rgb(7, 167,  
126) }
```

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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