

Converting Colors

CIELCh(61, 47.730, 165.811)

Have a look what the booklet for
CIELCh(61, 47.730, 165.811)
contains.

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Color

CIELCh(61, 47.730, 165.811)

Conversions

Conversions Part 1

Format	Color
Hex	0DA77D
RGB	13, 167, 125
RGB Percent	5%, 65%, 49%
CMY	0.9476, 0.3447, 0.5094
CMYK	0.92, 0.00, 0.25, 0.34
HSL	164°, 85%, 35%
HSV	164°, 92%, 66%
XYZ	17.7177, 29.2481, 24.1469
YIQ	116.1660, -78.3020, -45.7100

Conversions

Conversions Part 2

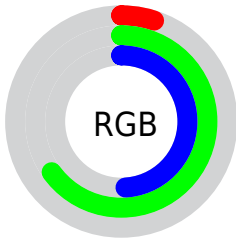
Format	Color
RYB	13, 102, 167
Decimal	894845
CIELab	61.00, -46.27, 11.70
CIELCh	61, 47.730, 165.811
Yxy	29.2481, 0.2491, 0.4113
Android (android.graphics.Color)	4279084925 (0xFF0DA77D)
YUV	116.1660, 4.3552, -90.4766
Hunter-Lab	54.0815, -36.1643, 11.3847

Details

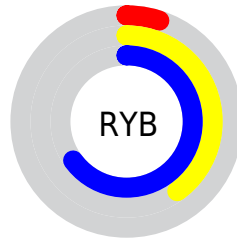
The CIELCh color **61, 47.730, 165.811** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **36, 61.531, 18.916**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 47.597, 166.031**, and **42, 39.955, 160.353** is the 20% darker color. If you saturate the color by 10%, you get **61, 49.632, 164.223**, and if you desaturate by 10%, it is **61, 44.935, 167.712**.

Distribution



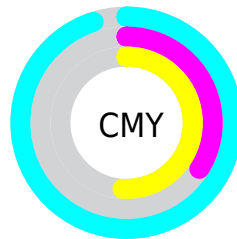
- Red (5%)
- Green (65%)
- Blue (49%)



- Red (5%)
- Yellow (40%)
- Blue (65%)



- Cyan (92%)
- Magenta (0%)
- Yellow (25%)
- Black (34%)





- Cyan (95%)
- Magenta (34%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 47.730, 165.811 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, 47.730, 165.811 by changing the saturation by 10% instead.


 61, 47.730,
165.811


 61, 47.730,
165.811


 100, 47.730,
165.811


 51, 47.730,
165.811


 81, 47.730,
165.811

 41, 47.730,
165.811

 91, 47.730,
165.811

 31, 47.730,
165.811

 21, 47.730,
165.811

 11, 47.730,
165.811

 1, 47.730, 165.811

 0, 47.730, 165.811

■ 61, 47.730,
165.811

■ 61, 47.730,
165.811

■ 61, 49.632,
164.223

■ 61, 44.935,
167.712

■ 62, 41.447,
169.426

■ 62, 37.251,
170.963

■ 63, 32.388,
172.346

■ 64, 26.937,
173.598

■ 65, 21.000,
174.742

■ 66, 14.687,
175.800

■ 67, 8.106, 176.800

Harmonies

Complementary

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



61, 47.730, 165.811



36, 61.531, 18.916

Rectangle

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



61, 47.730, 165.811



61, 47.730, 215.811



61, 47.730, 345.811



61, 47.730, 35.811

Sweetspot

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



61, 47.730, 165.810



82, 22.859, 175.120



60, 81.574, 132.959



43, 15.781, 174.667



94, 0.011, 296.813



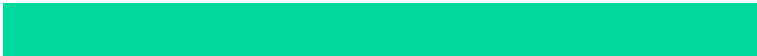
46, 0.006, 296.813

Same Dimension

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



61, 47.730, 165.810



77, 60.621, 163.808



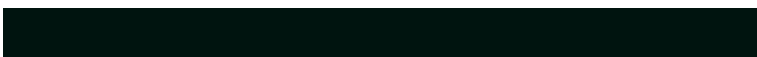
52, 31.526, 235.779



35, 3.855, 177.068



54, 45.219, 164.453



5, 7.394, 172.891

Inverse Universe

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



36, 61.531, 18.916



46, 78.962, 24.147



38, 66.311, 43.861



33, 3.968, 358.645



31, 58.831, 22.381



1, 6.974, 0.603

Previews

White Background



This preview shows how the CIELCh color 61, 47.730, 165.811 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, 47.730, 165.811 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, 47.730, 165.811

Background



This preview shows how black text looks on a background with the CIELCh color 61, 47.730, 165.811.

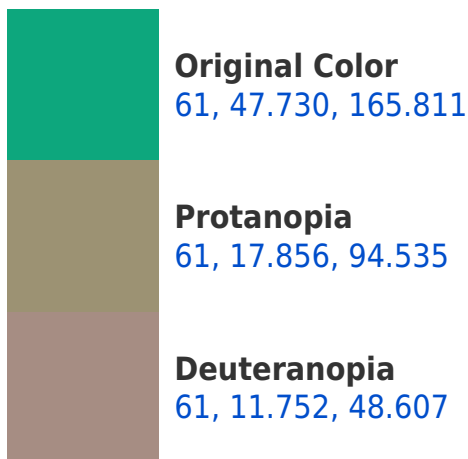


This preview shows how white text looks on a background with the CIELCh color 61, 47.730, 165.811.

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, 29.871, 211.385

Trichromacy



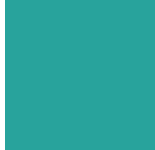
Original Color
61, 47.730, 165.811



Protanomaly
59, 27.701, 151.684



Deuteranomaly
59, 19.488, 160.013



Tritanomaly
61, 34.370, 189.804

Monochromacy



Original Color
61, 47.730, 165.811



Achromatopsia
49, 0.007, 296.813



Achromatomaly
52, 22.634, 172.843

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 47.730, 165.811 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(13, 167, 125)` looks like.

```
.text, #text, p{  
    color:rgb(13, 167, 125)  
}
```

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(13, 167, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 167, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 47.730, 165.811 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(13, 167, 125) }
```

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

```
.border{ border-color:rgb(13, 167, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 167, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 167, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 167, 125);  
box-shadow:4px 4px 4px 4px rgb(13, 167,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 47.730, 165.811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 167, 125) }
```

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

```
.background{ background-color: rgb(13, 167,  
125) }
```

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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