

Converting Colors

CIELCh(61, 51.356, 162.058)

Have a look what the booklet for
CIELCh(61, 51.356, 162.058)
contains.

CIELCh(61, 51.310, 162.164)	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(61, 51.310, 162.164)

Conversions

Conversions Part 1

Format	Color
Hex	01A876
RGB	1, 168, 118
RGB Percent	0%, 66%, 46%
CMY	0.9950, 0.3419, 0.5379
CMYK	0.99, 0.00, 0.30, 0.34
HSL	162°, 98%, 33%
HSV	162°, 99%, 66%
XYZ	17.2437, 29.2481, 21.8224
YIQ	112.3670, -83.4820, -50.9540

Conversions

Conversions Part 2

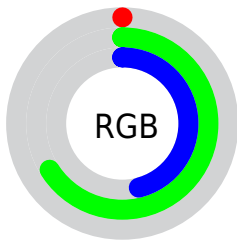
Format	Color
RYB	1, 99, 168
Decimal	108662
CIELab	61.00, -48.84, 15.72
CIELCh	61, 51.310, 162.164
Yxy	29.2481, 0.2524, 0.4281
Android (android.graphics.Color)	4278298742 (0xFF01A876)
YUV	112.3670, 2.7771, -97.6689
Hunter-Lab	54.0815, -37.7287, 13.9330

Details

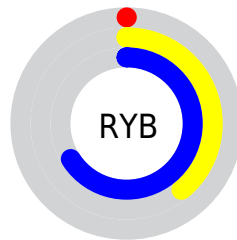
The CIELCh color **61, 51.310, 162.164** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **35, 63.661, 20.272**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **81, 51.423, 162.172**, and **42, 43.471, 155.828** is the 20% darker color. If you saturate the color by 10%, you get **61, 51.509, 162.012**, and if you desaturate by 10%, it is **61, 48.668, 164.208**.

Distribution



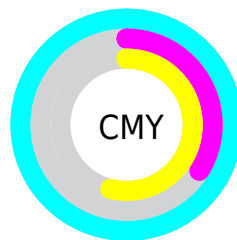
- Red (0%)
- Green (66%)
- Blue (46%)



- Red (0%)
- Yellow (39%)
- Blue (66%)



- Cyan (99%)
- Magenta (0%)
- Yellow (30%)
- Black (34%)





- Cyan (100%)
- Magenta (34%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 51.310, 162.164 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, 51.310, 162.164 by changing the saturation by 10% instead.


 61, 51.310,
162.164


 61, 51.310,
162.164


 100, 51.310,
162.164


 51, 51.310,
162.164


 81, 51.310,
162.164

 41, 51.310,
162.164

 91, 51.310,
162.164

 31, 51.310,
162.164

 21, 51.310,
162.164

 11, 51.310,
162.164

 1, 51.310, 162.164

 0, 51.310, 162.164

■ 61, 51.310,
162.164

■ 61, 51.310,
162.164

■ 61, 51.509,
162.012

■ 61, 48.668,
164.208

■ 62, 45.469,
166.116

■ 62, 41.569,
167.831

■ 63, 36.972,
169.366

■ 63, 31.734,
170.745

■ 64, 25.946,
171.992

■ 65, 19.716,
173.129

■ 66, 13.156,

174.180

■ 67, 6.374, 175.178

Harmonies

Complementary

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



61, 51.310, 162.164



35, 63.661, 20.272

Rectangle

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



61, 51.310, 162.164



61, 51.310, 212.164



61, 51.310, 342.164



61, 51.310, 32.164

Sweetspot

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



61, 51.310, 162.163



83, 25.096, 172.985



61, 83.669, 132.705



43, 16.968, 172.533



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, 51.310, 162.163



78, 63.315, 161.576



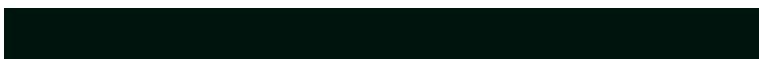
53, 31.847, 231.392



35, 3.915, 175.173



54, 46.763, 162.258



5, 7.527, 170.984

Inverse Universe

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



35, 63.661, 20.272



46, 78.542, 21.804



37, 72.333, 43.046



33, 4.020, 356.753



31, 58.088, 19.996



2, 7.052, 358.908

Previews

White Background



This preview shows how the CIELCh color 61, 51.310, 162.164 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, 51.310, 162.164 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, 51.310, 162.164

Background



This preview shows how black text looks on a background with the CIELCh color 61, 51.310, 162.164.

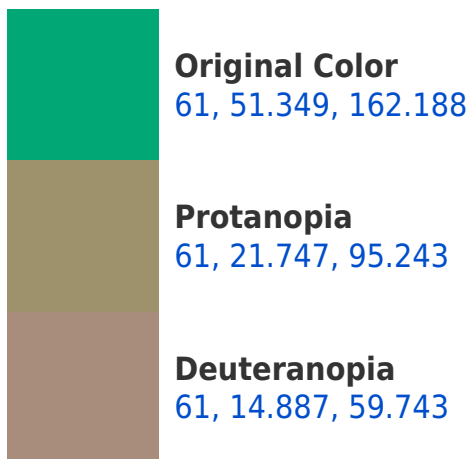


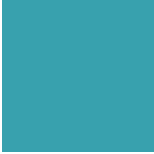
This preview shows how white text looks on a background with the CIELCh color 61, 51.310, 162.164.

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, 29.722, 211.469

Trichromacy



Original Color
61, 51.349, 162.188



Protanomaly
59, 31.693, 148.585



Deuteranomaly
59, 23.738, 153.649



Tritanomaly
61, 35.242, 188.024

Monochromacy



Original Color
61, 51.349, 162.188



Achromatopsia
47, 0.006, 296.813



Achromatomaly
51, 24.388, 171.359

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 51.310, 162.164 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(1, 168, 118)` looks like.

```
.text, #text, p{  
    color:rgb(1, 168, 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(1, 168, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 168, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 51.310, 162.164 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(1, 168, 118) }
```

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

```
.border{ border-color:rgb(1, 168, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 168, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 168, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 168, 118);  
box-shadow:4px 4px 4px 4px rgb(1, 168,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 51.310, 162.164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 168, 118) }
```

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

```
.background{ background-color: rgb(1, 168,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor