

Converting Colors

CIELCh(60, 51.302, 161.690)

Have a look what the booklet for
CIELCh(60, 51.302, 161.690)
contains.

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Color

CIELCh(60, 51.027, 161.817)

Conversions

Conversions Part 1

Format	Color
Hex	00A573
RGB	0, 165, 115
RGB Percent	0%, 65%, 45%
CMY	1.0000, 0.3532, 0.5492
CMYK	1.00, 0.00, 0.30, 0.35
HSL	162°, 100%, 32%
HSV	162°, 100%, 65%
XYZ	16.5326, 28.1233, 20.7599
YIQ	109.9650, -82.2900, -50.5300

Conversions

Conversions Part 2

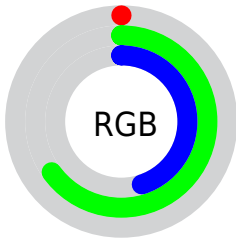
Format	Color
RYB	0, 97, 165
Decimal	42355
CIELab	60.00, -48.48, 15.92
CIELCh	60, 51.027, 161.817
Yxy	28.1233, 0.2527, 0.4299
Android (android.graphics.Color)	4278232435 (0xFF00A573)
YUV	109.9650, 2.4823, -96.4393
Hunter-Lab	53.0314, -37.1574, 13.9121

Details

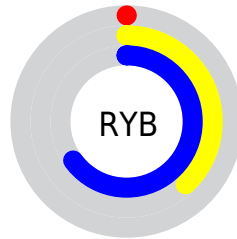
The CIELCh color **60, 51.027, 161.817** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **34, 63.023, 20.297**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **80, 51.091, 161.824**, and **41, 42.690, 155.789** is the 20% darker color. If you saturate the color by 10%, you get **60, 51.019, 161.811**, and if you desaturate by 10%, it is **60, 48.397, 163.851**.

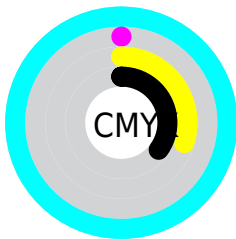
Distribution



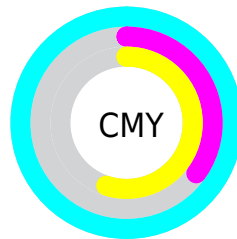
- Red (0%)
- Green (65%)
- Blue (45%)



- Red (0%)
- Yellow (38%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 51.027, 161.817 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, 51.027, 161.817 by changing the saturation by 10% instead.


 60, 51.027,
161.817


 60, 51.027,
161.817


 100, 51.027,
161.817


 50, 51.027,
161.817


 80, 51.027,
161.817

 40, 51.027,
161.817

 90, 51.027,
161.817


 30, 51.027,
161.817

 20, 51.027,
161.817

 10, 51.027,
161.817

 0, 51.027, 161.817

 60, 51.027,

 60, 51.027,

161.817

161.817

■ 60, 51.019,
161.811

■ 60, 48.397,
163.851

■ 61, 45.265,
165.775

■ 61, 41.443,
167.504

■ 61, 36.934,
169.054

■ 62, 31.791,
170.444

■ 63, 26.099,
171.700

■ 64, 19.966,
172.845

■ 65, 13.502,
173.900

Harmonies

Complementary

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



60, 51.027, 161.817



34, 63.023, 20.297

Rectangle

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



60, 51.027, 161.817



60, 51.027, 211.817



60, 51.027, 341.817



60, 51.027, 31.817

Sweetspot

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



60, 51.019, 161.811



81, 24.675, 172.784



60, 82.845, 132.723



42, 16.682, 172.337



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



60, 51.019, 161.811



76, 62.404, 161.376



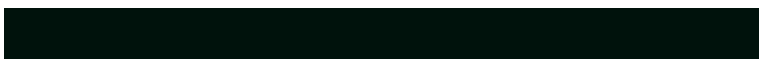
52, 31.497, 231.585



34, 3.823, 174.973



53, 46.316, 162.061



4, 6.201, 171.941

Inverse Universe

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



34, 63.023, 20.297



45, 77.014, 21.446



36, 71.889, 43.188



32, 3.924, 356.544



30, 57.256, 19.635



1, 5.910, 357.743

Previews

White Background



This preview shows how the CIELCh color 60, 51.027, 161.817 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, 51.027, 161.817 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, 51.027, 161.817

Background



This preview shows how black text looks on a background with the CIELCh color 60, 51.027, 161.817.

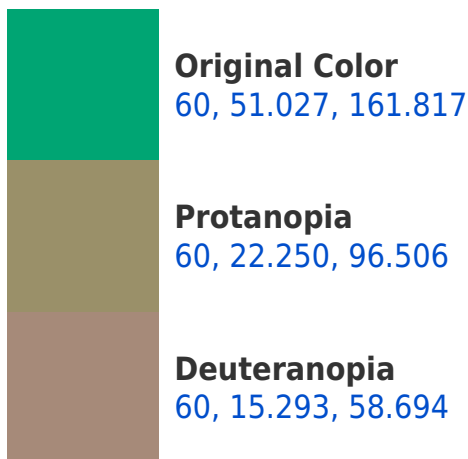


This preview shows how white text looks on a background with the CIELCh color 60, 51.027, 161.817.

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, 29.133, 211.837

Trichromacy



Original Color
60, 51.027, 161.817



Protanomaly
58, 32.202, 147.913



Deuteranomaly
58, 23.303, 152.462



Tritanomaly
60, 35.102, 187.013

Monochromacy



Original Color
60, 51.027, 161.817



Achromatopsia
46, 0.006, 296.813



Achromatomaly
50, 24.416, 171.282

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 51.027, 161.817 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(0, 165, 115)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 115)  
}
```

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(0, 165, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 51.027, 161.817 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(0, 165, 115) }
```

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

```
.border{ border-color:rgb(0, 165, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 165, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 115);  
box-shadow:4px 4px 4px 4px rgb(0, 165,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 51.027, 161.817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 115) }
```

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

```
.background{ background-color: rgb(0, 165,  
115) }
```

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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