

Converting Colors

CIELCh(59, 70.803, 167.228)

Have a look what the booklet for
CIELCh(59, 70.803, 167.228)
contains.

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Color

CIELCh(61, 54.225, 159.182)

Conversions

Conversions Part 1

Format	Color
Hex	00A86F
RGB	0, 168, 111
RGB Percent	0%, 66%, 44%
CMY	1.0000, 0.3401, 0.5633
CMYK	1.00, 0.00, 0.34, 0.34
HSL	160°, 100%, 33%
HSV	160°, 100%, 66%
XYZ	16.9094, 29.2481, 19.8934
YIQ	111.2700, -81.8310, -53.3430

Conversions

Conversions Part 2

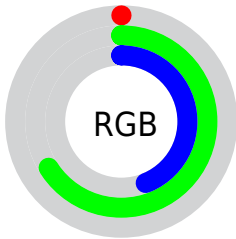
Format	Color
RYB	0, 101, 168
Decimal	43119
CIELab	61.00, -50.68, 19.27
CIELCh	61, 54.225, 159.182
Yxy	29.2481, 0.2560, 0.4428
Android (android.graphics.Color)	4278233199 (0xFF00A86F)
YUV	111.2700, -0.1331, -97.5838
Hunter-Lab	54.0815, -38.8320, 16.0478

Details

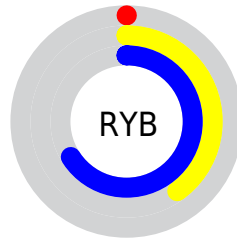
The CIELCh color **61, 54.225, 159.182** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **35, 63.085, 17.147**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **81, 53.961, 159.143**, and **42, 46.053, 152.740** is the 20% darker color. If you saturate the color by 10%, you get **61, 54.120, 159.112**, and if you desaturate by 10%, it is **61, 51.194, 161.215**.

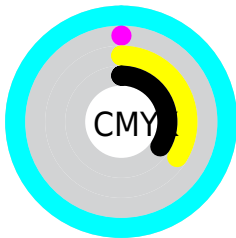
Distribution



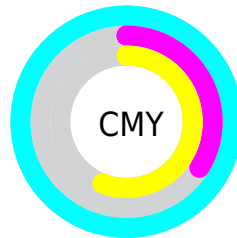
- Red (0%)
- Green (66%)
- Blue (44%)



- Red (0%)
- Yellow (40%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (34%)





- Cyan (100%)
- Magenta (34%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 54.225, 159.182 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, 54.225, 159.182 by changing the saturation by 10% instead.

 61, 54.225,
159.182


 61, 54.225,
159.182


 100, 54.225,
159.182


 51, 54.225,
159.182


 81, 54.225,
159.182

 41, 54.225,
159.182

 91, 54.225,
159.182

 31, 54.225,
159.182

 21, 54.225,
159.182

 11, 54.225,
159.182

 1, 54.225, 159.182

 0, 54.225, 159.182

■ 61, 54.225,
159.182

■ 61, 54.225,
159.182

■ 61, 54.120,
159.112

■ 61, 51.194,
161.215

■ 62, 47.745,
163.200

■ 62, 43.597,
164.984

■ 63, 38.757,
166.579

■ 63, 33.282,
168.005

■ 64, 27.264,
169.287

■ 65, 20.815,
170.449

■ 66, 14.050,

171.513

■ 68, 7.078, 172.513

Harmonies

Complementary

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



61, 54.225, 159.182



35, 63.085, 17.147

Rectangle

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



61, 54.225, 159.182



61, 54.225, 209.182



61, 54.225, 339.182



61, 54.225, 29.182

Sweetspot

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



61, 54.120, 159.112



83, 25.797, 170.388



61, 83.413, 132.050



43, 17.458, 169.930



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, 54.120, 159.112



78, 66.426, 158.669



55, 31.934, 224.438



35, 4.007, 172.584



54, 49.008, 159.371



5, 7.724, 168.476

Inverse Universe

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



35, 63.085, 17.147



46, 77.197, 18.270



36, 73.910, 42.271



33, 4.101, 354.155



31, 57.238, 16.495



2, 7.172, 356.569

Previews

White Background



This preview shows how the CIELCh color 61, 54.225, 159.182 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, 54.225, 159.182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

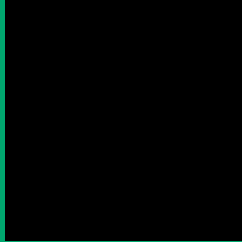
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 61, 54.225, 159.182

Background



This preview shows how black text looks on a background with the CIELCh color 61, 54.225, 159.182.

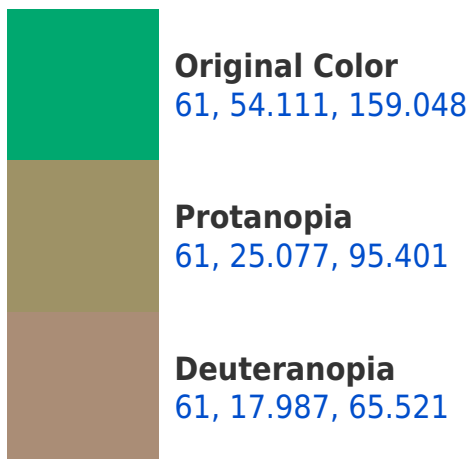


This preview shows how white text looks on a background with the CIELCh color 61, 54.225, 159.182.

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, 29.417, 211.645

Trichromacy



Original Color
61, 54.111, 159.048



Protanomaly
59, 34.586, 144.058



Deuteranomaly
59, 26.074, 147.990



Tritanomaly
61, 36.226, 184.540

Monochromacy



Original Color
61, 54.111, 159.048



Achromatopsia
47, 0.006, 296.813



Achromatomaly
51, 25.652, 168.237

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 54.225, 159.182 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, 168, 111)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 111)  
}
```

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, 168, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 54.225, 159.182 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, 168, 111) }
```

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

```
.border{ border-color:rgb(0, 168, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 111);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 54.225, 159.182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 111) }
```

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

```
.background{ background-color: rgb(0, 168,  
111) }
```

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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