

Converting Colors

CIELCh(59, 54.164, 159.240)

Have a look what the booklet for
CIELCh(59, 54.164, 159.240)
contains.

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Color

CIELCh(59, 53.539, 158.362)

Conversions

Conversions Part 1

Format	Color
Hex	00A26A
RGB	0, 162, 106
RGB Percent	0%, 64%, 42%
CMY	1.0000, 0.3628, 0.5862
CMYK	1.00, 0.00, 0.35, 0.36
HSL	159°, 100%, 32%
HSV	159°, 100%, 64%
XYZ	15.5577, 27.0277, 17.9030
YIQ	107.1780, -78.5760, -51.7600

Conversions

Conversions Part 2

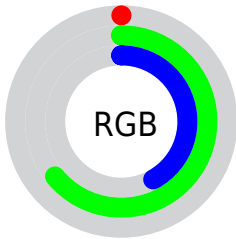
Format	Color
RYB	0, 98, 162
Decimal	41578
CIELab	59.00, -49.77, 19.74
CIElCh	59, 53.539, 158.362
Yxy	27.0277, 0.2572, 0.4468
Android (android.graphics.Color)	4278231658 (0xFF00A26A)
YUV	107.1780, -0.5808, -93.9951
Hunter-Lab	51.9882, -37.5624, 15.9743

Details

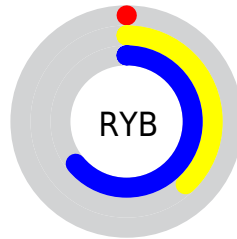
The CIELCh color **59, 53.539, 158.362** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **34, 61.185, 15.832**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **79, 52.958, 158.836**, and **40, 44.949, 152.027** is the 20% darker color. If you saturate the color by 10%, you get **59, 53.462, 158.309**, and if you desaturate by 10%, it is **59, 50.506, 160.410**.

Distribution



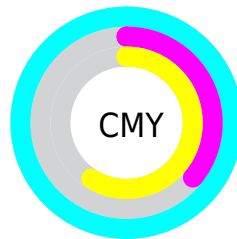
- Red (0%)
- Green (64%)
- Blue (42%)



- Red (0%)
- Yellow (38%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (36%)





- Cyan (100%)
- Magenta (36%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 53.539, 158.362 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 59, 53.539, 158.362 by changing the saturation by 10% instead.


 59, 53.539,
158.362


 59, 53.539,
158.362


 100, 53.539,
158.362


 49, 53.539,
158.362


 79, 53.539,
158.362

 39, 53.539,
158.362

 89, 53.539,
158.362

 29, 53.539,
158.362

 99, 53.539,
158.362

 19, 53.539,
158.362

 9, 53.539, 158.362

 0, 53.539, 158.362

■ 59, 53.539,
158.362

■ 59, 53.539,
158.362

■ 59, 53.462,
158.309

■ 59, 50.506,
160.410

■ 60, 47.046,
162.399

■ 60, 42.911,
164.188

■ 61, 38.107,
165.787

■ 61, 32.692,
167.215

■ 62, 26.757,
168.497

■ 63, 20.412,
169.658

■ 64, 13.768,

170.720

■ 65, 6.931, 171.714

Harmonies

Complementary

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



59, 53.539, 158.362



34, 61.185, 15.832

Rectangle

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



59, 53.539, 158.362



59, 53.539, 208.362



59, 53.539, 338.362



59, 53.539, 28.362

Sweetspot

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



59, 53.462, 158.309



80, 25.293, 169.595



59, 80.890, 131.634



42, 17.285, 169.140



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



59, 53.462, 158.309



75, 65.597, 157.849



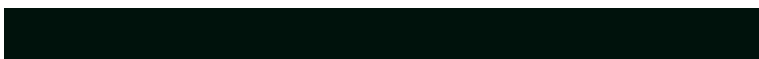
54, 31.271, 220.821



34, 3.936, 171.787



53, 49.076, 158.539



4, 6.390, 168.925

Inverse Universe

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



34, 61.185, 15.832



45, 74.780, 16.979



35, 72.286, 41.877



32, 4.024, 353.344



30, 56.283, 15.263



1, 6.049, 354.752

Previews

White Background



This preview shows how the CIE LCh color 59, 53.539, 158.362 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 59, 53.539, 158.362 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 59, 53.539, 158.362

Background



This preview shows how black text looks on a background with the CIELCh color 59, 53.539, 158.362.



This preview shows how white text looks on a background with the CIELCh color 59, 53.539, 158.362.

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



Original Color


59, 53.028, 158.659

Protanopia

59, 25.766, 95.440

Deuteranopia

59, 18.567, 66.500



Tritanopia
59, 28.370, 211.114

Trichromacy



Original Color
59, 53.028, 158.659



Protanomaly
57, 35.011, 142.998



Deuteranomaly
57, 26.201, 146.000



Tritanomaly
59, 35.271, 184.132

Monochromacy



Original Color
59, 53.028, 158.659



Achromatopsia
45, 0.006, 296.813



Achromatomaly
49, 25.223, 167.464

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 53.539, 158.362 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, 162, 106)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 106)  
}
```

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, 162, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 53.539, 158.362 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, 162, 106) }
```

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

```
.border{ border-color:rgb(0, 162, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 162, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 106);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 53.539, 158.362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 106) }
```

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

```
.background{ background-color: rgb(0, 162,  
106) }
```

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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