

Converting Colors

CIELCh(52, 129.935, 175.981)

Have a look what the booklet for
CIELCh(52, 129.935, 175.981)
contains.

CIELCh(58, 52.400, 158.821)	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(58, 52.400, 158.821)

Conversions

Conversions Part 1

Format	Color
Hex	009F69
RGB	0, 159, 105
RGB Percent	0%, 62%, 41%
CMY	1.0000, 0.3746, 0.5901
CMYK	1.00, 0.00, 0.34, 0.37
HSL	159°, 100%, 31%
HSV	159°, 100%, 63%
XYZ	14.9839, 25.9610, 17.4590
YIQ	105.3030, -77.4300, -50.5020

Conversions

Conversions Part 2

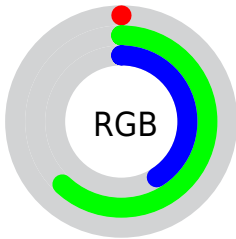
Format	Color
RYB	0, 96, 159
Decimal	40809
CIELab	58.00, -48.86, 18.93
CIELCh	58, 52.400, 158.821
Yxy	25.9610, 0.2566, 0.4445
Android (android.graphics.Color)	4278230889 (0xFF009F69)
YUV	105.3030, -0.1494, -92.3507
Hunter-Lab	50.9519, -36.6727, 15.3503

Details

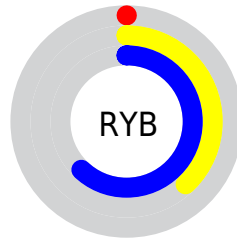
The CIELCh color **58, 52.400, 158.821** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **33, 60.449, 16.301**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **78, 52.268, 158.890**, and **39, 43.739, 152.414** is the 20% darker color. If you saturate the color by 10%, you get **58, 52.323, 158.768**, and if you desaturate by 10%, it is **58, 49.443, 160.853**.

Distribution



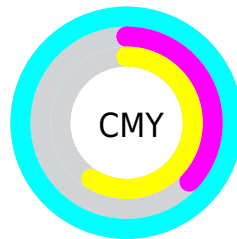
- Red (0%)
- Green (62%)
- Blue (41%)



- Red (0%)
- Yellow (38%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (37%)





- Cyan (100%)
- Magenta (37%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 52.400, 158.821 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 58, 52.400, 158.821 by changing the saturation by 10% instead.


 58, 52.400,
158.821


 58, 52.400,
158.821


 100, 52.400,
158.821


 48, 52.400,
158.821


 78, 52.400,
158.821

 38, 52.400,
158.821

 88, 52.400,
158.821

 28, 52.400,
158.821

 98, 52.400,
158.821

 18, 52.400,
158.821

 8, 52.400, 158.821

 0, 52.400, 158.821

■ 58, 52.400,
158.821

■ 58, 52.400,
158.821

■ 58, 52.323,
158.768

■ 58, 49.443,
160.853

■ 59, 46.071,
162.830

■ 59, 42.034,
164.608

■ 59, 37.339,
166.197

■ 60, 32.042,
167.618

■ 61, 26.233,
168.895

■ 62, 20.017,
170.052

■ 63, 13.506,

171.111

■ 64, 6.801, 172.106

Harmonies

Complementary

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



58, 52.400, 158.821



33, 60.449, 16.301

Rectangle

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



58, 52.400, 158.821



58, 52.400, 208.821



58, 52.400, 338.821



58, 52.400, 28.821

Sweetspot

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



58, 52.323, 158.768



78, 24.689, 169.989



58, 80.119, 131.990



41, 16.872, 169.541



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



58, 52.323, 158.768



74, 63.897, 158.310



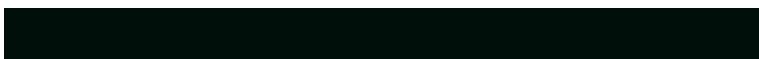
52, 30.698, 224.303



33, 3.820, 172.181



52, 48.069, 158.999



3, 5.133, 170.773

Inverse Universe

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



33, 60.449, 16.301



44, 73.557, 17.450



34, 70.854, 42.271



31, 3.906, 353.732



30, 55.644, 15.724



1, 4.978, 354.124

Previews

White Background



This preview shows how the CIELCh color 58, 52.400, 158.821 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 58, 52.400, 158.821 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 58, 52.400, 158.821

Background



This preview shows how black text looks on a background with the CIELCh color 58, 52.400, 158.821.



This preview shows how white text looks on a background with the CIELCh color 58, 52.400, 158.821.

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
58, 51.887, 159.130

Protanopia
58, 24.653, 96.041

Deuteranopia
58, 17.789, 64.245



Tritanopia
58, 27.926, 211.402

Trichromacy



Original Color
58, 51.887, 159.130



Protanomaly
56, 33.532, 144.109



Deuteranomaly
56, 25.149, 146.882



Tritanomaly
58, 34.733, 183.901

Monochromacy



Original Color
58, 51.887, 159.130



Achromatopsia
45, 0.006, 296.813



Achromatomaly
48, 24.646, 168.207

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 52.400, 158.821 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, 159, 105)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 105)  
}
```

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, 159, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 52.400, 158.821 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, 159, 105) }
```

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

```
.border{ border-color:rgb(0, 159, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 159, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 105);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 52.400, 158.821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 105) }
```

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

```
.background{ background-color: rgb(0, 159,  
105) }
```

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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