

Converting Colors

CIELCh(63, 58.450, 156.350)

Have a look what the booklet for
CIELCh(63, 58.450, 156.350)
contains.

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Color

CIELCh(63, 58.450, 156.350)

Conversions

Conversions Part 1

Format	Color
Hex	00AF6D
RGB	0, 175, 109
RGB Percent	0%, 69%, 43%
CMY	1.0000, 0.3153, 0.5740
CMYK	1.00, 0.00, 0.38, 0.32
HSL	157°, 100%, 34%
HSV	157°, 100%, 68%
XYZ	17.9708, 31.5869, 19.5134
YIQ	115.1510, -83.1140, -57.6260

Conversions

Conversions Part 2

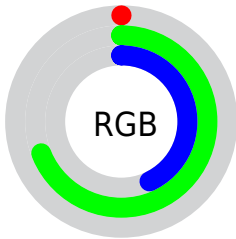
Format	Color
RYB	0, 108, 175
Decimal	44909
CIELab	63.00, -53.54, 23.45
CIELCh	63, 58.450, 156.350
Yxy	31.5869, 0.2602, 0.4573
Android (android.graphics.Color)	4278234989 (0xFF00AF6D)
YUV	115.1510, -3.0324, -100.9874
Hunter-Lab	56.2022, -41.2783, 18.7561

Details

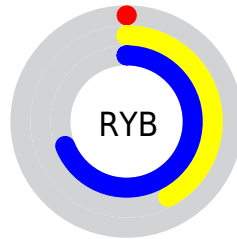
The CIELCh color **63, 58.450, 156.350** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **37, 64.099, 13.571**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **83, 58.618, 156.293**, and **44, 50.137, 150.272** is the 20% darker color. If you saturate the color by 10%, you get **63, 58.392, 156.310**, and if you desaturate by 10%, it is **63, 55.094, 158.468**.

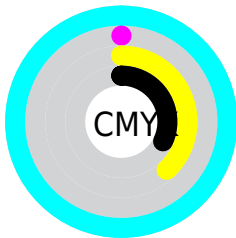
Distribution



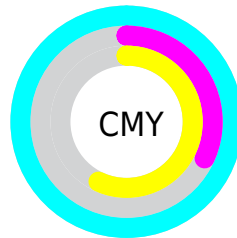
- Red (0%)
- Green (69%)
- Blue (43%)



- Red (0%)
- Yellow (42%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (32%)





- Cyan (100%)
- Magenta (32%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 58.450, 156.350 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 63, 58.450, 156.350 by changing the saturation by 10% instead.


 63, 58.450,
156.350


 63, 58.450,
156.350


 100, 58.450,
156.350


 53, 58.450,
156.350


 83, 58.450,
156.350

 43, 58.450,
156.350

 93, 58.450,
156.350

 33, 58.450,
156.350

 23, 58.450,
156.350

 13, 58.450,
156.350

 3, 58.450, 156.350

 0, 58.450, 156.350

■ 63, 58.450,
156.350

■ 63, 58.450,
156.350

■ 63, 58.392,
156.310

■ 63, 55.094,
158.468

■ 64, 51.242,
160.505

■ 64, 46.672,
162.336

■ 65, 41.390,
163.970

■ 65, 35.461,
165.426

■ 66, 28.987,
166.727

■ 67, 22.085,
167.900

■ 68, 14.878,

168.967

■ 70, 7.482, 169.961

Harmonies

Complementary

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



63, 58.450, 156.350



37, 64.099, 13.571

Rectangle

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



63, 58.450, 156.350



63, 58.450, 206.350



63, 58.450, 336.350



63, 58.450, 26.350

Sweetspot

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



63, 58.392, 156.310



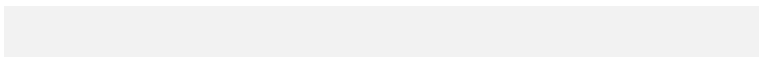
85, 27.316, 167.841



63, 84.996, 131.320



45, 18.675, 167.368



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



63, 58.392, 156.310



80, 71.589, 155.878



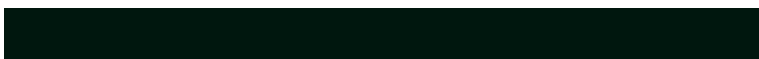
58, 33.234, 217.497



36, 4.213, 170.030



55, 52.055, 156.607



6, 9.530, 165.115

Inverse Universe

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



37, 64.099, 13.571



48, 78.194, 14.611



37, 76.826, 41.525



34, 4.299, 351.587



31, 57.351, 12.865



2, 8.592, 355.393

Previews

White Background



This preview shows how the CIELCh color 63, 58.450, 156.350 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 63, 58.450, 156.350 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 ✓ Pass

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

CIELCh 63, 58.450, 156.350

Background



This preview shows how black text looks on a background with the CIELCh color 63, 58.450, 156.350.

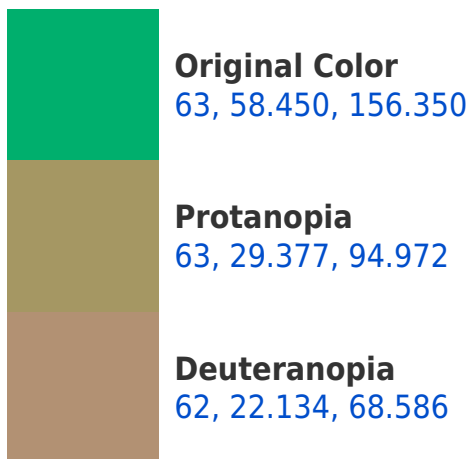



This preview shows how white text looks on a background with the CIELCh color 63, 58.450, 156.350.

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
63, 29.792, 212.534

Trichromacy



Original Color
63, 58.450, 156.350



Protanomaly
61, 38.426, 141.095



Deuteranomaly
60, 29.540, 142.607



Tritanomaly
63, 37.377, 183.174

Monochromacy



Original Color
63, 58.450, 156.350



Achromatopsia
48, 0.006, 296.813



Achromatomaly
52, 27.383, 166.168

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 58.450, 156.350 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, 175, 109)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 109)  
}
```

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, 175, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 58.450, 156.350 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, 175, 109) }
```

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

```
.border{ border-color:rgb(0, 175, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 175, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 109);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 58.450, 156.350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 109) }
```

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

```
.background{ background-color: rgb(0, 175,  
109) }
```

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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