

Converting Colors

CIELCh(63, 59.643, 155.236)

Have a look what the booklet for
CIELCh(63, 59.643, 155.236)
contains.

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Color

CIELCh(63, 59.643, 155.236)

Conversions

Conversions Part 1

Format	Color
Hex	00AF6A
RGB	0, 175, 106
RGB Percent	0%, 69%, 42%
CMY	1.0000, 0.3147, 0.5852
CMYK	1.00, 0.00, 0.39, 0.31
HSL	156°, 100%, 34%
HSV	156°, 100%, 69%
XYZ	17.8550, 31.5869, 18.7267
YIQ	114.8090, -82.1510, -58.5590

Conversions

Conversions Part 2

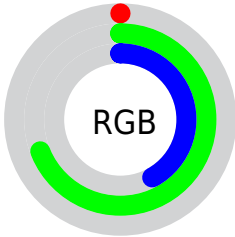
Format	Color
RYB	0, 109, 175
Decimal	44906
CIELab	63.00, -54.16, 24.98
CIELCh	63, 59.643, 155.236
Yxy	31.5869, 0.2619, 0.4634
Android (android.graphics.Color)	4278234986 (0xFF00AF6A)
YUV	114.8090, -4.3428, -100.6875
Hunter-Lab	56.2022, -41.6458, 19.5861

Details

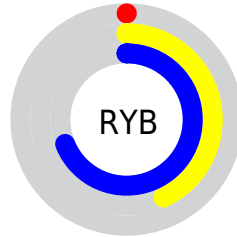
The CIELCh color **63, 59.643, 155.236** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **37, 63.910, 11.944**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **83, 59.753, 155.227**, and **44, 51.406, 149.044** is the 20% darker color. If you saturate the color by 10%, you get **63, 59.606, 155.210**, and if you desaturate by 10%, it is **63, 56.178, 157.378**.

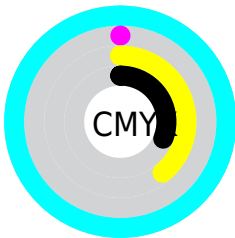
Distribution



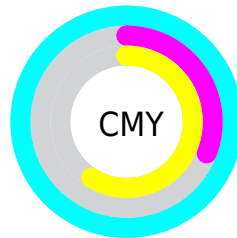
- Red (0%)
- Green (69%)
- Blue (42%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 59.643, 155.236 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, 59.643, 155.236 by changing the saturation by 10% instead.


 63, 59.643,
155.236


 63, 59.643,
155.236


 100, 59.643,
155.236


 53, 59.643,
155.236


 83, 59.643,
155.236

 43, 59.643,
155.236

 93, 59.643,
155.236

 33, 59.643,
155.236

 23, 59.643,
155.236

 13, 59.643,
155.236

 3, 59.643, 155.236

 0, 59.643, 155.236

■ 63, 59.643,
155.236

■ 63, 59.643,
155.236

■ 63, 59.606,
155.210

■ 63, 56.178,
157.378

■ 64, 52.192,
159.428

■ 64, 47.485,
161.271

■ 65, 42.068,
162.914

■ 65, 36.007,
164.376

■ 66, 29.406,
165.681

■ 67, 22.385,
166.853

■ 69, 15.069,

167.918

■ 70, 7.572, 168.907

Harmonies

Complementary

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



63, 59.643, 155.236



37, 63.910, 11.944

Rectangle

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



63, 59.643, 155.236



63, 59.643, 205.236



63, 59.643, 335.236



63, 59.643, 25.236

Sweetspot

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



63, 59.606, 155.210



85, 27.670, 166.795



63, 84.655, 130.906



45, 18.924, 166.323



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, 59.606, 155.210



80, 73.046, 154.777



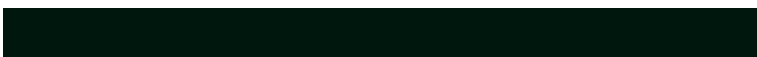
59, 33.628, 214.112



36, 4.261, 168.975



55, 53.095, 155.510



6, 9.643, 164.166

Inverse Universe

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



37, 63.910, 11.944



48, 77.862, 12.958



37, 77.215, 41.224



34, 4.342, 350.519



31, 57.170, 11.250



2, 8.659, 354.452

Previews

White Background



This preview shows how the CIELCh color 63, 59.643, 155.236 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, 59.643, 155.236 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, 59.643, 155.236

Background



This preview shows how black text looks on a background with the CIELCh color 63, 59.643, 155.236.

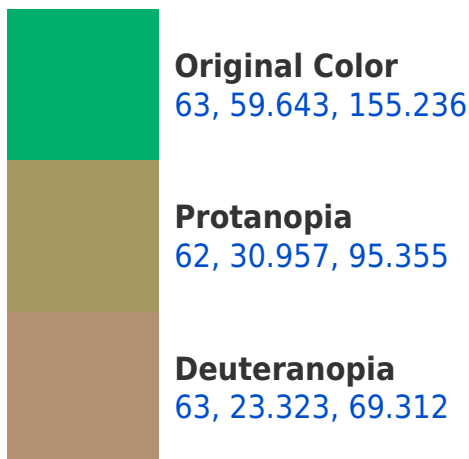


This preview shows how white text looks on a background with the CIELCh color 63, 59.643, 155.236.

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, 29.618, 211.488

Trichromacy



Original Color
63, 59.643, 155.236



Protanomaly
61, 39.796, 139.794



Deuteranomaly
60, 30.719, 140.324



Tritanomaly
63, 37.777, 181.524

Monochromacy



Original Color
63, 59.643, 155.236



Achromatopsia
48, 0.006, 296.813



Achromatomaly
52, 27.744, 165.197

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 59.643, 155.236 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 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, 175, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 59.643, 155.236 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, 106) }
```

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

```
.border{ border-color:rgb(0, 175, 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, 175, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 106);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 59.643, 155.236 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, 106) }
```

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

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