

Converting Colors

CIELCh(63, 57.439, 156.853)

Have a look what the booklet for
CIELCh(63, 57.439, 156.853)
contains.

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Color

CIELCh(63, 57.329, 156.839)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 07AE6E |
| RGB | 7, 174, 110 |
| RGB Percent | 3%, 68%, 43% |
| CMY | 0.9709, 0.3163, 0.5674 |
| CMYK | 0.96, 0.00, 0.37, 0.32 |
| HSL | 157°, 92%, 36% |
| HSV | 157°, 96%, 68% |
| XYZ | 18.1276, 31.5869, 19.9837 |
| YIQ | 116.7710, -78.9880, -55.3080 |

Conversions

Conversions Part 2

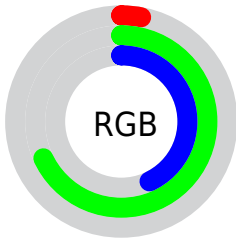
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 7, 110, 174 |
| Decimal | 503406 |
| CIELab | 63.00, -52.71, 22.55 |
| CIELCh | 63, 57.329, 156.839 |
| Yxy | 31.5869, 0.2601, 0.4532 |
| Android (android.graphics.Color) | 4278693486 (0xFF07AE6E) |
| YUV | 116.7710, -3.3381, -96.2692 |
| Hunter-Lab | 56.2022, -40.7801, 18.2600 |

Details

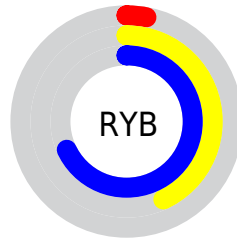
The CIELCh color **63, 57.329, 156.839** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **37, 62.877, 10.989**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 57.545, 156.754**, and **44, 49.178, 150.940** is the 20% darker color. If you saturate the color by 10%, you get **63, 58.728, 155.934**, and if you desaturate by 10%, it is **63, 53.819, 158.988**.

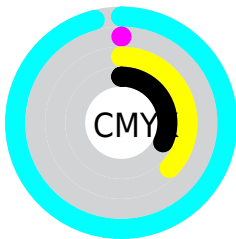
Distribution



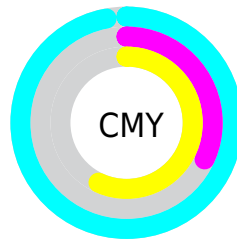
- Red (3%)
- Green (68%)
- Blue (43%)



- Red (3%)
- Yellow (43%)
- Blue (68%)



- Cyan (96%)
- Magenta (0%)
- Yellow (37%)
- Black (32%)





- Cyan (97%)
- Magenta (32%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 57.329, 156.839 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, 57.329, 156.839 by changing the saturation by 10% instead.


 63, 57.329,
156.839


 63, 57.329,
156.839


 100, 57.329,
156.839


 53, 57.329,
156.839


 83, 57.329,
156.839

 43, 57.329,
156.839

 93, 57.329,
156.839

 33, 57.329,
156.839

 23, 57.329,
156.839

 13, 57.329,
156.839

 3, 57.329, 156.839

 0, 57.329, 156.839

■ 63, 57.329,
156.839

■ 63, 57.329,
156.839

■ 63, 58.728,
155.934

■ 63, 53.819,
158.988

■ 64, 49.624,
160.942

■ 64, 44.706,
162.691

■ 65, 39.100,
164.248

■ 66, 32.890,
165.637

■ 67, 26.185,
166.882

■ 68, 19.110,
168.006

■ 69, 11.783,

169.035

■ 70, 4.315, 170.026

Harmonies

Complementary

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



63, 57.329, 156.839



37, 62.877, 10.989

Rectangle

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



63, 57.329, 156.839



63, 57.329, 206.839



63, 57.329, 336.839



63, 57.329, 26.839

Sweetspot

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



63, 57.329, 156.839



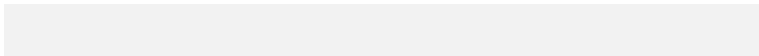
85, 26.555, 167.595



63, 83.057, 130.572



45, 18.264, 167.121



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, 57.329, 156.839



80, 72.085, 155.498



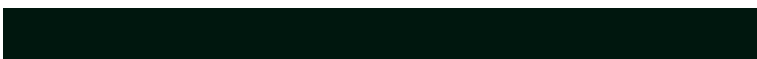
59, 33.417, 213.416



36, 4.229, 169.668



55, 52.409, 156.228



6, 9.569, 164.787

Inverse Universe

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



37, 62.877, 10.989



48, 78.072, 14.049



37, 74.433, 40.287



34, 4.313, 351.221



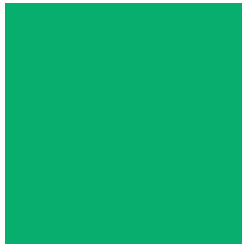
31, 57.283, 12.316



2, 8.615, 355.071

Previews

White Background



This preview shows how the CIELCh color 63, 57.329, 156.839 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, 57.329, 156.839 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, 57.329, 156.839

Background



This preview shows how black text looks on a background with the CIELCh color 63, 57.329, 156.839.



This preview shows how white text looks on a background with the CIELCh color 63, 57.329, 156.839.

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](#).

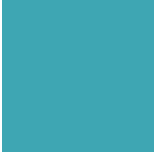
Dichromacy



Original Color
63, 57.292, 156.814

Protanopia
62, 28.223, 95.546

Deuteranopia
62, 20.950, 67.758



Tritanopia
63, 29.779, 211.397

Trichromacy



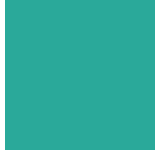
Original Color
63, 57.292, 156.814



Protanomaly
61, 36.915, 140.725



Deuteranomaly
60, 28.171, 142.711



Tritanomaly
63, 37.025, 183.078

Monochromacy



Original Color
63, 57.292, 156.814



Achromatopsia
49, 0.007, 296.813



Achromatomaly
53, 26.246, 166.355

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 57.329, 156.839 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(7, 174, 110)` looks like.

```
.text, #text, p{  
    color:rgb(7, 174, 110)  
}
```

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(7, 174, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 174, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 57.329, 156.839 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(7, 174, 110) }
```

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

```
.border{ border-color:rgb(7, 174, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 174, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 174, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 174, 110);  
box-shadow:4px 4px 4px 4px rgb(7, 174,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 57.329, 156.839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 174, 110) }
```

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

```
.background{ background-color: rgb(7, 174,  
110) }
```

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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