

Converting Colors

CIELCh(63, 53.920, 160.480)

Have a look what the booklet for
CIELCh(63, 53.920, 160.480)
contains.

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Color

CIELCh(63, 53.840, 160.591)

Conversions

Conversions Part 1

Format	Color
Hex	05AE77
RGB	5, 174, 119
RGB Percent	2%, 68%, 47%
CMY	0.9822, 0.3181, 0.5337
CMYK	0.97, 0.00, 0.32, 0.32
HSL	161°, 95%, 35%
HSV	161°, 97%, 68%
XYZ	18.4944, 31.5869, 22.5421
YIQ	117.1990, -83.0690, -52.9330

Conversions

Conversions Part 2

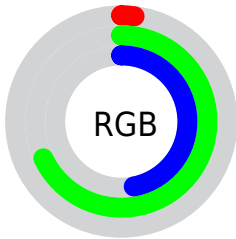
Format	Color
RYB	5, 106, 174
Decimal	372343
CIELab	63.00, -50.78, 17.89
CIELCh	63, 53.840, 160.591
Yxy	31.5869, 0.2547, 0.4349
Android (android.graphics.Color)	4278562423 (0xFF05AE77)
YUV	117.1990, 0.8879, -98.3985
Hunter-Lab	56.2022, -39.6152, 15.5611

Details

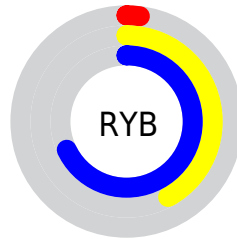
The CIELCh color **63, 53.840, 160.591** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **37, 64.132, 17.266**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 54.224, 160.295**, and **44, 45.759, 154.689** is the 20% darker color. If you saturate the color by 10%, you get **63, 54.581, 160.054**, and if you desaturate by 10%, it is **63, 50.879, 162.688**.

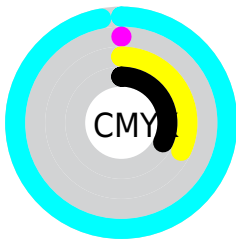
Distribution



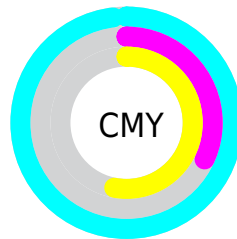
- Red (2%)
- Green (68%)
- Blue (47%)



- Red (2%)
- Yellow (42%)
- Blue (68%)



- Cyan (97%)
- Magenta (0%)
- Yellow (32%)
- Black (32%)





- Cyan (98%)
- Magenta (32%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 53.840, 160.591 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, 53.840, 160.591 by changing the saturation by 10% instead.


 63, 53.840,
160.591


 63, 53.840,
160.591


 100, 53.840,
160.591


 53, 53.840,
160.591


 83, 53.840,
160.591

 43, 53.840,
160.591

 93, 53.840,
160.591

 33, 53.840,
160.591

 23, 53.840,
160.591

 13, 53.840,
160.591

 3, 53.840, 160.591

 0, 53.840, 160.591

■ 63, 53.840,
160.591

■ 63, 53.840,
160.591

■ 63, 54.581,
160.054

■ 63, 50.879,
162.688

■ 64, 47.275,
164.610

■ 64, 42.946,
166.334

■ 65, 37.912,
167.876

■ 65, 32.239,
169.257

■ 66, 26.029,
170.503

■ 67, 19.397,
171.637

■ 69, 12.460,

172.682

■ 70, 5.330, 173.683

Harmonies

Complementary

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



63, 53.840, 160.591



37, 64.132, 17.266

Rectangle

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



63, 53.840, 160.591



63, 53.840, 210.591



63, 53.840, 340.591



63, 53.840, 30.591

Sweetspot

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



63, 53.840, 160.591



85, 25.426, 171.403



63, 84.966, 132.288



45, 17.465, 170.932



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, 53.840, 160.591



80, 67.072, 159.625



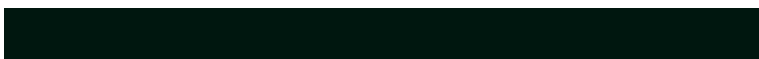
56, 32.520, 227.343



36, 4.073, 173.489



55, 48.837, 160.334



6, 9.180, 168.364

Inverse Universe

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



37, 64.132, 17.266



48, 79.715, 19.674



38, 73.585, 42.250



34, 4.173, 355.073



31, 58.257, 17.847



2, 8.398, 358.437

Previews

White Background



This preview shows how the CIELCh color 63, 53.840, 160.591 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, 53.840, 160.591 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, 53.840, 160.591

Background



This preview shows how black text looks on a background with the CIELCh color 63, 53.840, 160.591.



This preview shows how white text looks on a background with the CIELCh color 63, 53.840, 160.591.

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, 53.840, 160.591

Protanopia

63, 23.862, 95.148

Deuteranopia

63, 17.011, 63.275



Tritanopia
63, 30.256, 212.259

Trichromacy



Original Color
63, 53.840, 160.591



Protanomaly
61, 33.283, 146.254



Deuteranomaly
61, 25.047, 149.655



Tritanomaly
63, 36.422, 186.530

Monochromacy



Original Color
63, 53.840, 160.591



Achromatopsia
49, 0.007, 296.813



Achromatomaly
53, 25.476, 169.831

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 53.840, 160.591 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(5, 174, 119)` looks like.

```
.text, #text, p{  
    color:rgb(5, 174, 119)  
}
```

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(5, 174, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 174, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 53.840, 160.591 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(5, 174, 119) }
```

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

```
.border{ border-color:rgb(5, 174, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 174, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 174, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 174, 119);  
box-shadow:4px 4px 4px 4px rgb(5, 174,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 53.840, 160.591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 174, 119) }
```

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

```
.background{ background-color: rgb(5, 174,  
119) }
```

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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