

Converting Colors

CIELCh(62, 55.741, 157.784)

Have a look what the booklet for
CIELCh(62, 55.741, 157.784)
contains.

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Color

CIELCh(62, 55.407, 158.037)

Conversions

Conversions Part 1

Format	Color
Hex	07AB6F
RGB	7, 171, 111
RGB Percent	3%, 67%, 44%
CMY	0.9731, 0.3286, 0.5639
CMYK	0.96, 0.00, 0.35, 0.33
HSL	158°, 92%, 35%
HSV	158°, 96%, 67%
XYZ	17.5689, 30.4025, 20.0373
YIQ	115.1240, -78.4840, -53.4280

Conversions

Conversions Part 2

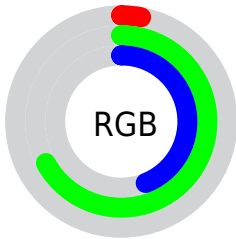
Format	Color
RYB	7, 107, 171
Decimal	502639
CIELab	62.00, -51.39, 20.72
CIELCh	62, 55.407, 158.037
Yxy	30.4025, 0.2583, 0.4470
Android (android.graphics.Color)	4278692719 (0xFF07AB6F)
YUV	115.1240, -2.0331, -94.8247
Hunter-Lab	55.1385, -39.6165, 17.0509

Details

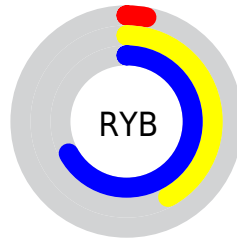
The CIELCh color **62, 55.407, 158.037** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **36, 62.269, 12.756**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **82, 55.214, 158.164**, and **43, 47.136, 152.174** is the 20% darker color. If you saturate the color by 10%, you get **62, 56.657, 157.194**, and if you desaturate by 10%, it is **62, 52.093, 160.167**.

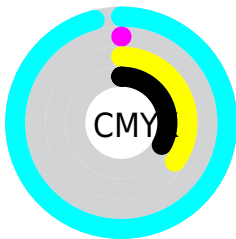
Distribution



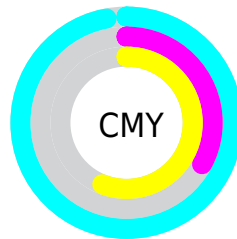
- Red (3%)
- Green (67%)
- Blue (44%)



- Red (3%)
- Yellow (42%)
- Blue (67%)



- Cyan (96%)
- Magenta (0%)
- Yellow (35%)
- Black (33%)





- Cyan (97%)
- Magenta (33%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 55.407, 158.037 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 62, 55.407, 158.037 by changing the saturation by 10% instead.


 62, 55.407,
158.037


 62, 55.407,
158.037


 100, 55.407,
158.037


 52, 55.407,
158.037


 82, 55.407,
158.037

 42, 55.407,
158.037

 92, 55.407,
158.037

 32, 55.407,
158.037

 22, 55.407,
158.037

 12, 55.407,
158.037

 2, 55.407, 158.037

 0, 55.407, 158.037

■ 62, 55.407,
158.037

■ 62, 55.407,
158.037

■ 62, 56.657,
157.194

■ 62, 52.093,
160.167

■ 63, 48.112,
162.105

■ 63, 43.419,
163.841

■ 64, 38.045,
165.390

■ 65, 32.069,
166.772

■ 65, 25.597,
168.014

■ 67, 18.748,
169.139

■ 68, 11.640,

170.172

■ 69, 4.379, 171.167

Harmonies

Complementary

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



62, 55.407, 158.037



36, 62.269, 12.756

Rectangle

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



62, 55.407, 158.037



62, 55.407, 208.037



62, 55.407, 338.037



62, 55.407, 28.037

Sweetspot

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



62, 55.407, 158.037



84, 25.714, 168.755



62, 82.765, 131.419



44, 17.680, 168.286



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



62, 55.407, 158.037



79, 69.270, 156.760



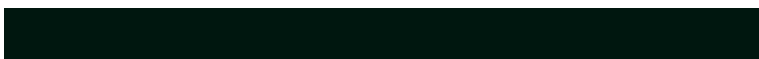
57, 32.320, 220.017



36, 4.178, 170.831



55, 51.284, 157.452



6, 9.446, 165.848

Inverse Universe

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



36, 62.269, 12.756



47, 77.138, 15.750



37, 72.713, 41.132



34, 4.267, 352.396



31, 57.520, 14.062



2, 8.544, 356.104

Previews

White Background



This preview shows how the CIELCh color 62, 55.407, 158.037 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 CIE LCh color 62, 55.407, 158.037 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 62, 55.407, 158.037

Background



This preview shows how black text looks on a background with the CIELCh color 62, 55.407, 158.037.



This preview shows how white text looks on a background with the CIELCh color 62, 55.407, 158.037.

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

62, 55.370, 158.012

Protanopia

62, 26.595, 95.958

Deuteranopia

62, 19.401, 65.788



Tritanopia
62, 29.500, 211.580

Trichromacy



Original Color
62, 55.370, 158.012



Protanomaly
60, 35.617, 142.129



Deuteranomaly
59, 26.201, 144.770



Tritanomaly
62, 36.361, 183.717

Monochromacy



Original Color
62, 55.370, 158.012



Achromatopsia
48, 0.006, 296.813



Achromatomaly
52, 25.080, 167.774

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 55.407, 158.037 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, 171, 111)` looks like.

```
.text, #text, p{  
    color:rgb(7, 171, 111)  
}
```

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, 171, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 171, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 55.407, 158.037 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, 171, 111) }
```

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

```
.border{ border-color:rgb(7, 171, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 171, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 171, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 171, 111);  
box-shadow:4px 4px 4px 4px rgb(7, 171,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 55.407, 158.037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 171, 111) }
```

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

```
.background{ background-color: rgb(7, 171,  
111) }
```

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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