

Converting Colors

CIELCh(54, 70.168, 175.604)

Have a look what the booklet for
CIELCh(54, 70.168, 175.604)
contains.

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Color

CIELCh(57, 44.861, 167.400)

Conversions

Conversions Part 1

Format	Color
Hex	029B76
RGB	2, 155, 118
RGB Percent	1%, 61%, 46%
CMY	0.9937, 0.3904, 0.5356
CMYK	0.99, 0.00, 0.24, 0.39
HSL	166°, 98%, 31%
HSV	166°, 99%, 61%
XYZ	15.1124, 24.9227, 21.2861
YIQ	105.0350, -79.3110, -43.9430

Conversions

Conversions Part 2

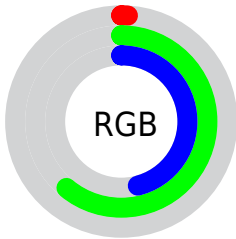
Format	Color
R_YB	2, 89, 155
Decimal	170870
CIE _L ab	57.00, -43.78, 9.79
CIE _L Ch	57, 44.861, 167.400
Yxy	24.9227, 0.2464, 0.4064
Android (android.graphics.Color)	4278360950 (0xFF029B76)
YUV	105.0350, 6.3917, -90.3617
Hunter-Lab	49.9226, -33.3297, 9.6656

Details

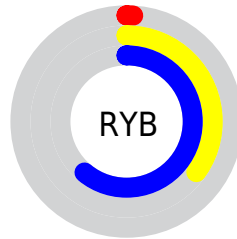
The CIELCh color **57, 44.861, 167.400** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **32, 61.767, 24.927**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **77, 44.660, 167.444**, and **38, 36.449, 161.587** is the 20% darker color. If you saturate the color by 10%, you get **57, 45.074, 167.212**, and if you desaturate by 10%, it is **57, 42.761, 169.264**.

Distribution



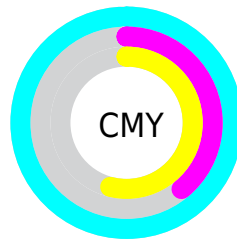
- Red (1%)
- Green (61%)
- Blue (46%)



- Red (1%)
- Yellow (35%)
- Blue (61%)



- Cyan (99%)
- Magenta (0%)
- Yellow (24%)
- Black (39%)



- Cyan (99%)
- Magenta (39%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 44.861, 167.400 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 57, 44.861, 167.400 by changing the saturation by 10% instead.

 57, 44.861,
167.400

 57, 44.861,
167.400

 100, 44.861,
167.400

 47, 44.861,
167.400

 77, 44.861,
167.400

 37, 44.861,
167.400

 87, 44.861,
167.400

 27, 44.861,
167.400

 97, 44.861,
167.400

 17, 44.861,
167.400

 7, 44.861, 167.400

 0, 44.861, 167.400

■ 57, 44.861,
167.400

■ 57, 44.861,
167.400

■ 57, 45.074,
167.212

■ 57, 42.761,
169.264

■ 57, 40.137,
171.001

■ 58, 36.845,
172.565

■ 58, 32.888,
173.974

■ 59, 28.315,
175.250

■ 60, 23.203,
176.415

■ 61, 17.651,
177.492

■ 62, 11.760,

178.501

■ 63, 5.627, 179.475

Harmonies

Complementary

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



57, 44.861, 167.400



32, 61.767, 24.927

Rectangle

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



57, 44.861, 167.400



57, 44.861, 217.400



57, 44.861, 347.400



57, 44.861, 37.400

Sweetspot

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



57, 44.861, 167.399



77, 22.505, 177.324



56, 80.071, 133.811



40, 15.342, 176.906



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



57, 44.861, 167.399



72, 54.941, 166.792



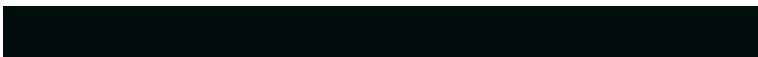
46, 31.362, 245.141



32, 3.501, 179.451



52, 41.696, 167.408



3, 3.848, 179.279

Inverse Universe

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



32, 61.767, 24.927



42, 76.043, 26.610



35, 65.977, 45.536



30, 3.613, 0.985



29, 57.483, 24.854



1, 3.818, 0.493

Previews

White Background



This preview shows how the CIELCh color 57, 44.861, 167.400 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 44.861, 167.400 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 × Fail

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

CIELCh 57, 44.861, 167.400

Background



This preview shows how black text looks on a background with the CIELCh color 57, 44.861, 167.400.

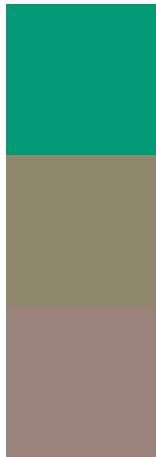


This preview shows how white text looks on a background with the CIELCh color 57, 44.861, 167.400.

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

57, 44.772, 167.348

Protanopia

57, 15.685, 95.827

Deuteranopia

57, 10.344, 42.784



Tritanopia
57, 28.604, 211.019

Trichromacy



Original Color
57, 44.772, 167.348



Protanomaly
55, 26.606, 155.178



Deuteranomaly
55, 18.890, 164.375



Tritanomaly
57, 33.067, 190.421

Monochromacy



Original Color
57, 44.772, 167.348



Achromatopsia
44, 0.006, 296.813



Achromatomaly
48, 21.897, 176.441

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 44.861, 167.400 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(2, 155, 118)` looks like.

```
.text, #text, p{  
    color:rgb(2, 155, 118)  
}
```

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(2, 155, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 155, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 44.861, 167.400 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(2, 155, 118) }
```

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

```
.border{ border-color:rgb(2, 155, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 155, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 155, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 155, 118);  
box-shadow:4px 4px 4px 4px rgb(2, 155,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 44.861, 167.400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 155, 118) }
```

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

```
.background{ background-color: rgb(2, 155,  
118) }
```

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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