

Converting Colors

CIELCh(56, 78.311, 174.071)

Have a look what the booklet for
CIELCh(56, 78.311, 174.071)
contains.

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Color

CIELCh(59, 48.870, 164.030)

Conversions

Conversions Part 1

Format	Color
Hex	00A275
RGB	0, 162, 117
RGB Percent	0%, 64%, 46%
CMY	1.0000, 0.3654, 0.5416
CMYK	1.00, 0.00, 0.28, 0.37
HSL	163°, 100%, 32%
HSV	163°, 100%, 63%
XYZ	16.0374, 27.0277, 21.1700
YIQ	108.4320, -82.1070, -48.3390

Conversions

Conversions Part 2

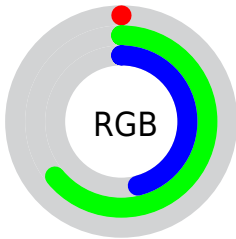
Format	Color
RYB	0, 94, 162
Decimal	41589
CIELab	59.00, -46.98, 13.45
CIELCh	59, 48.870, 164.030
Yxy	27.0277, 0.2497, 0.4208
Android (android.graphics.Color)	4278231669 (0xFF00A275)
YUV	108.4320, 4.2240, -95.0949
Hunter-Lab	51.9882, -35.9155, 12.2484

Details

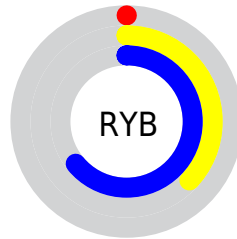
The CIELCh color **59, 48.870, 164.030** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **34, 62.877, 22.479**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **79, 48.805, 163.717**, and **40, 40.182, 158.122** is the 20% darker color. If you saturate the color by 10%, you get **59, 48.689, 163.919**, and if you desaturate by 10%, it is **59, 46.290, 165.898**.

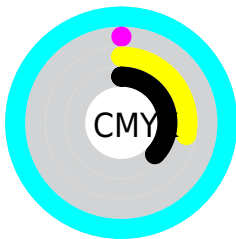
Distribution



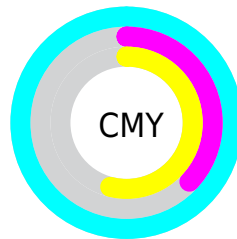
- Red (0%)
- Green (64%)
- Blue (46%)



- Red (0%)
- Yellow (37%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (37%)





- Cyan (100%)
- Magenta (37%)
- Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 48.870, 164.030 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 59, 48.870, 164.030 by changing the saturation by 10% instead.

 59, 48.870,
164.030


 59, 48.870,
164.030


 100, 48.870,
164.030

 49, 48.870,
164.030


 79, 48.870,
164.030

 39, 48.870,
164.030

 89, 48.870,
164.030

 29, 48.870,
164.030

 99, 48.870,
164.030

 19, 48.870,
164.030

 9, 48.870, 164.030

 0, 48.870, 164.030

■ 59, 48.870,
164.030

■ 59, 48.870,
164.030

■ 59, 48.689,
163.919

■ 59, 46.290,
165.898

■ 60, 43.390,
167.764

■ 60, 39.809,
169.442

■ 60, 35.546,
170.947

■ 61, 30.651,
172.303

■ 62, 25.206,
173.532

■ 63, 19.312,
174.657

■ 64, 13.079,

175.700

■ 65, 6.610, 176.693

Harmonies

Complementary

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



59, 48.870, 164.030



34, 62.877, 22.479

Rectangle

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



59, 48.870, 164.030



59, 48.870, 214.030



59, 48.870, 344.030



59, 48.870, 34.030

Sweetspot

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



59, 48.689, 163.919



79, 23.771, 174.597



58, 82.284, 133.323



41, 16.058, 174.163



92, 0.011, 296.813



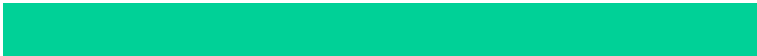
44, 0.006, 296.813

Same Dimension

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



59, 48.689, 163.919



75, 59.288, 163.496



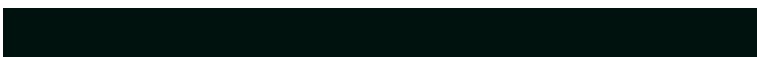
49, 31.534, 238.720



34, 3.767, 176.765



53, 44.866, 164.128



4, 6.103, 173.702

Inverse Universe

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



34, 62.877, 22.479



44, 76.608, 23.631



36, 69.852, 44.290



32, 3.875, 358.335



30, 57.933, 21.909



1, 5.843, 359.410

Previews

White Background



This preview shows how the CIELCh color 59, 48.870, 164.030 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 59, 48.870, 164.030 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 59, 48.870, 164.030

Background



This preview shows how black text looks on a background with the CIELCh color 59, 48.870, 164.030.



This preview shows how white text looks on a background with the CIELCh color 59, 48.870, 164.030.

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

59, 48.745, 163.899

Protanopia

59, 19.605, 95.321

Deuteranopia

59, 12.828, 54.914



Tritanopia
59, 28.998, 211.946

Trichromacy



Original Color
59, 48.745, 163.899



Protanomaly
57, 29.882, 150.732



Deuteranomaly
57, 21.598, 158.089



Tritanomaly
59, 34.167, 188.682

Monochromacy



Original Color
59, 48.745, 163.899



Achromatopsia
46, 0.006, 296.813



Achromatomaly
49, 23.858, 172.145

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 48.870, 164.030 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, 162, 117)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 117)  
}
```

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, 162, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 48.870, 164.030 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, 162, 117) }
```

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

```
.border{ border-color:rgb(0, 162, 117) }
```

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

Here you see how a box with a 4 pixel rgb(0, 162, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 117);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 48.870, 164.030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 117) }
```

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

```
.background{ background-color: rgb(0, 162,  
117) }
```

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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