

Converting Colors

CIELCh(47, 104.268, 177.690)

Have a look what the booklet for
CIELCh(47, 104.268, 177.690)
contains.

CIELCh(52, 44.306, 163.833)	3
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Color

CIELCh(52, 44.306, 163.833)

Conversions

Conversions Part 1

Format	Color
Hex	008E66
RGB	0, 142, 102
RGB Percent	0%, 56%, 40%
CMY	1.0000, 0.4450, 0.6017
CMYK	1.00, 0.00, 0.28, 0.45
HSL	163°, 100%, 28%
HSV	163°, 100%, 55%
XYZ	11.9594, 20.1443, 15.7129
YIQ	94.9820, -71.7920, -42.5440

Conversions

Conversions Part 2

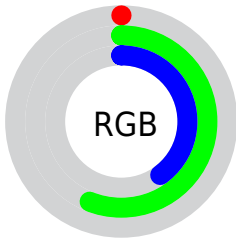
Format	Color
RYB	0, 83, 142
Decimal	36454
CIELab	52.00, -42.55, 12.34
CIELCh	52, 44.306, 163.833
Yxy	20.1443, 0.2501, 0.4213
Android (android.graphics.Color)	4278226534 (0xFF008E66)
YUV	94.9820, 3.4599, -83.2992
Hunter-Lab	44.8824, -30.9810, 10.6608

Details

The CIELCh color **52, 44.306, 163.833** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **29, 56.638, 21.333**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 44.592, 163.708**, and **33, 35.659, 157.274** is the 20% darker color. If you saturate the color by 10%, you get **52, 44.231, 163.782**, and if you desaturate by 10%, it is **52, 41.957, 165.707**.

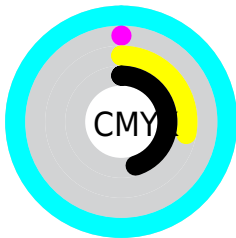
Distribution



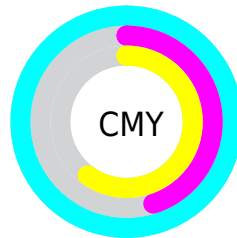
- Red (0%)
- Green (56%)
- Blue (40%)



- Red (0%)
- Yellow (33%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (45%)




- Cyan (100%)
- Magenta (45%)
- Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 44.306, 163.833 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 52, 44.306, 163.833 by changing the saturation by 10% instead.


 52, 44.306,
163.833

 52, 44.306,
163.833

 100, 44.306,
163.833

 42, 44.306,
163.833


 72, 44.306,
163.833

 32, 44.306,
163.833

 82, 44.306,
163.833

 22, 44.306,
163.833

 92, 44.306,
163.833

 12, 44.306,
163.833

 2, 44.306, 163.833

 0, 44.306, 163.833

■ 52, 44.306,
163.833

■ 52, 44.306,
163.833

■ 52, 44.231,
163.782

■ 52, 41.957,
165.707

■ 52, 39.269,
167.544

■ 53, 35.975,
169.197

■ 53, 32.079,
170.682

■ 54, 27.629,
172.020

■ 55, 22.699,
173.234

■ 56, 17.378,
174.347

■ 57, 11.762,

175.379

■ 58, 5.941, 176.361

Harmonies

Complementary

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



52, 44.306, 163.833



29, 56.638, 21.333

Rectangle

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



52, 44.306, 163.833



52, 44.306, 213.833



52, 44.306, 343.833



52, 44.306, 33.833

Sweetspot

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



52, 44.231, 163.782



71, 21.467, 174.279



51, 74.464, 133.179



36, 14.491, 173.877



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



52, 44.231, 163.782



66, 53.968, 163.295



43, 28.542, 238.195



30, 3.381, 176.441



50, 42.712, 163.881



2, 2.304, 177.201

Inverse Universe

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



29, 56.638, 21.333



39, 69.108, 22.655



31, 62.744, 44.299



28, 3.475, 357.972



28, 54.695, 21.065



0, 2.304, 357.188

Previews

White Background



This preview shows how the CIELCh color 52, 44.306, 163.833 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 CIE LCh color 52, 44.306, 163.833 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 52, 44.306, 163.833

Background



This preview shows how black text looks on a background with the CIELCh color 52, 44.306, 163.833.



This preview shows how white text looks on a background with the CIELCh color 52, 44.306, 163.833.

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

52, 44.306, 163.833

Protanopia

52, 17.749, 95.081

Deuteranopia

52, 11.765, 56.138



Tritanopia
52, 26.117, 211.378

Trichromacy



Original Color
52, 44.306, 163.833



Protanomaly
50, 27.048, 149.977



Deuteranomaly
50, 19.596, 156.482

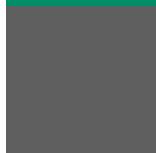


Tritanomaly
52, 31.139, 187.718

Monochromacy



Original Color
52, 44.306, 163.833



Achromatopsia
40, 0.006, 296.813



Achromatomaly
43, 21.559, 172.160

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 44.306, 163.833 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, 142, 102)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 102)  
}
```

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, 142, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 44.306, 163.833 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, 142, 102) }
```

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

```
.border{ border-color:rgb(0, 142, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 142, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 102);  
box-shadow:4px 4px 4px 4px rgb(0, 142,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 44.306, 163.833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 142, 102) }
```

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

```
.background{ background-color: rgb(0, 142,  
102) }
```

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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