

Converting Colors

CIELCh(52, 46.457, 161.144)

Have a look what the booklet for
CIELCh(52, 46.457, 161.144)
contains.

CIELCh(52, 46.279, 161.047)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(52, 46.279, 161.047)

Conversions

Conversions Part 1

Format	Color
Hex	008E61
RGB	0, 142, 97
RGB Percent	0%, 56%, 38%
CMY	1.0000, 0.4439, 0.6203
CMYK	1.00, 0.00, 0.32, 0.44
HSL	161°, 100%, 28%
HSV	161°, 100%, 56%
XYZ	11.7861, 20.1443, 14.5330
YIQ	94.4120, -70.1870, -44.0990

Conversions

Conversions Part 2

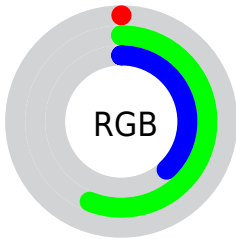
Format	Color
RYB	0, 84, 142
Decimal	36449
CIELab	52.00, -43.77, 15.03
CIELCh	52, 46.279, 161.047
Yxy	20.1443, 0.2537, 0.4336
Android (android.graphics.Color)	4278226529 (0xFF008E61)
YUV	94.4120, 1.2759, -82.7993
Hunter-Lab	44.8824, -31.6703, 12.2196

Details

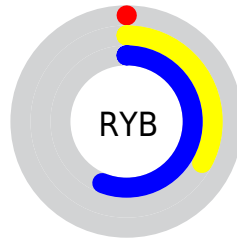
The CIELCh color **52, 46.279, 161.047** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **29, 55.880, 18.215**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 46.405, 161.077**, and **33, 37.898, 153.926** is the 20% darker color. If you saturate the color by 10%, you get **52, 46.249, 161.025**, and if you desaturate by 10%, it is **52, 43.736, 163.014**.

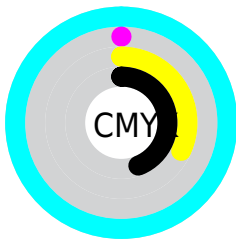
Distribution



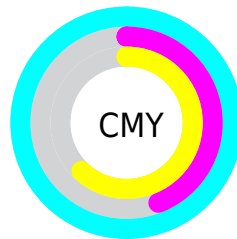
- Red (0%)
- Green (56%)
- Blue (38%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (32%)
- Black (44%)





- Cyan (100%)
- Magenta (44%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 46.279, 161.047 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, 46.279, 161.047 by changing the saturation by 10% instead.


 52, 46.279,
161.047


 52, 46.279,
161.047


 100, 46.279,
161.047


 42, 46.279,
161.047


 72, 46.279,
161.047

 32, 46.279,
161.047

 82, 46.279,
161.047

 22, 46.279,
161.047

 92, 46.279,
161.047

 12, 46.279,
161.047

 2, 46.279, 161.047

 0, 46.279, 161.047

■ 52, 46.279,
161.047

■ 52, 46.279,
161.047

■ 52, 46.249,
161.025

■ 52, 43.736,
163.014

■ 52, 40.808,
164.917

■ 53, 37.278,
166.628

■ 53, 33.153,
168.162

■ 54, 28.483,
169.539

■ 55, 23.347,
170.782

■ 56, 17.836,
171.915

■ 57, 12.049,

172.958

■ 58, 6.075, 173.944

Harmonies

Complementary

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



52, 46.279, 161.047



29, 55.880, 18.215

Rectangle

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



52, 46.279, 161.047



52, 46.279, 211.047



52, 46.279, 341.047



52, 46.279, 31.047

Sweetspot

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



52, 46.249, 161.025



71, 21.999, 171.846



52, 73.707, 132.207



36, 14.862, 171.438



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, 46.249, 161.025



66, 56.387, 160.526



46, 28.130, 227.519



30, 3.451, 174.025



50, 44.585, 161.132



2, 2.348, 174.787

Inverse Universe

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



29, 55.880, 18.215



39, 67.968, 19.512



30, 64.052, 42.570



28, 3.536, 355.555



28, 53.900, 17.939



0, 2.348, 354.774

Previews

White Background



This preview shows how the CIELCh color 52, 46.279, 161.047 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 52, 46.279, 161.047 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, 46.279, 161.047

Background



This preview shows how black text looks on a background with the CIELCh color 52, 46.279, 161.047.



This preview shows how white text looks on a background with the CIELCh color 52, 46.279, 161.047.

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, 46.279, 161.047

Protanopia
52, 20.082, 94.888

Deuteranopia
52, 14.444, 62.717



Tritanopia
52, 25.957, 211.481

Trichromacy



Original Color
52, 46.279, 161.047

Protanomaly
50, 28.618, 146.483

Deuteranomaly
50, 21.486, 150.255

Tritanomaly
52, 31.249, 186.647

Monochromacy



Original Color
52, 46.279, 161.047

Achromatopsia
40, 0.006, 296.813

Achromatomaly
43, 21.637, 170.439

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 46.279, 161.047 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, 97)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 97)  
}
```

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, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 46.279, 161.047 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, 97) }
```

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

```
.border{ border-color:rgb(0, 142, 97) }
```

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, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 97);  
box-shadow:4px 4px 4px 4px rgb(0, 142, 97)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 46.279, 161.047 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, 97) }
```

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

```
.background{ background-color: rgb(0, 142,  
97) }
```

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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