

Converting Colors

CIELCh(51, 55.891, 163.251)

Have a look what the booklet for
CIELCh(51, 55.891, 163.251)
contains.

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Color

CIELCh(52, 48.298, 158.480)

Conversions

Conversions Part 1

Format	Color
Hex	008E5C
RGB	0, 142, 92
RGB Percent	0%, 56%, 36%
CMY	0.9991, 0.4428, 0.6389
CMYK	1.00, 0.00, 0.35, 0.44
HSL	159°, 100%, 28%
HSV	159°, 100%, 56%
XYZ	11.6222, 20.1443, 13.4171
YIQ	93.8420, -68.5820, -45.6540

Conversions

Conversions Part 2

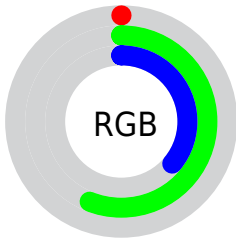
Format	Color
RYB	0, 86, 142
Decimal	36444
CIELab	52.00, -44.93, 17.72
CIELCh	52, 48.298, 158.480
Yxy	20.1443, 0.2572, 0.4458
Android (android.graphics.Color)	4278226524 (0xFF008E5C)
YUV	93.8420, -0.9081, -82.2994
Hunter-Lab	44.8824, -32.3221, 13.6936

Details

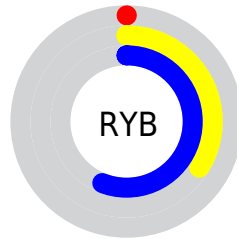
The CIELCh color **52, 48.298, 158.480** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **29, 55.255, 14.875**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 48.277, 158.636**, and **33, 39.697, 151.518** is the 20% darker color. If you saturate the color by 10%, you get **52, 48.345, 158.447**, and if you desaturate by 10%, it is **52, 45.543, 160.516**.

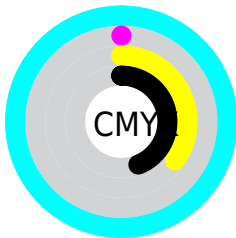
Distribution



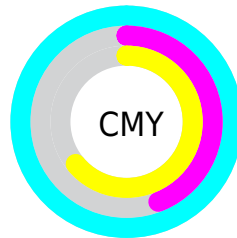
- Red (0%)
- Green (56%)
- Blue (36%)



- Red (0%)
- Yellow (34%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (44%)



- Cyan (100%)
- Magenta (44%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 48.298, 158.480 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, 48.298, 158.480 by changing the saturation by 10% instead.

 52, 48.298,
158.480

 52, 48.298,
158.480

 100, 48.298,
158.480

 42, 48.298,
158.480


 72, 48.298,
158.480

 32, 48.298,
158.480

 82, 48.298,
158.480

 22, 48.298,
158.480

 92, 48.298,
158.480

 12, 48.298,
158.480

 2, 48.298, 158.480

 0, 48.298, 158.480

■ 52, 48.298,
158.480

■ 52, 48.298,
158.480

■ 52, 48.345,
158.447

■ 52, 45.543,
160.516

■ 52, 42.362,
162.463

■ 53, 38.581,
164.214

■ 53, 34.210,
165.779

■ 54, 29.304,
167.181

■ 55, 23.946,
168.441

■ 56, 18.230,
169.582

■ 57, 12.256,

170.628

■ 58, 6.116, 171.610

Harmonies

Complementary

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



52, 48.298, 158.480



29, 55.255, 14.875

Rectangle

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



52, 48.298, 158.480



52, 48.298, 208.480



52, 48.298, 338.480



52, 48.298, 28.480

Sweetspot

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



52, 48.298, 158.480



70, 22.574, 169.496



52, 73.121, 131.459



36, 15.262, 169.084



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, 48.298, 158.480



66, 58.895, 157.940



47, 28.353, 220.470



30, 3.528, 171.673



50, 46.530, 158.560



2, 2.396, 172.431

Inverse Universe

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



29, 55.255, 14.875



39, 67.059, 16.204



30, 64.753, 41.608



28, 3.604, 353.191



28, 53.288, 14.671



0, 2.397, 352.419

Previews

White Background



This preview shows how the CIELCh color 52, 48.298, 158.480 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, 48.298, 158.480 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, 48.298, 158.480

Background



This preview shows how black text looks on a background with the CIELCh color 52, 48.298, 158.480.



This preview shows how white text looks on a background with the CIELCh color 52, 48.298, 158.480.

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, 48.298, 158.480

Protanopia

52, 22.955, 94.861

Deuteranopia

52, 16.858, 65.834



Tritanopia
52, 25.420, 211.847

Trichromacy



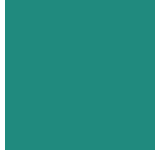
Original Color
52, 48.298, 158.480



Protanomaly
50, 30.943, 143.226



Deuteranomaly
50, 23.536, 145.000



Tritanomaly
52, 31.862, 183.556

Monochromacy



Original Color
52, 48.298, 158.480



Achromatopsia
40, 0.006, 296.813



Achromatomaly
43, 22.336, 167.804

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 48.298, 158.480 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, 92)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 92)  
}
```

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, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 48.298, 158.480 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, 92) }
```

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

```
.border{ border-color:rgb(0, 142, 92) }
```

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, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 92);  
box-shadow:4px 4px 4px 4px rgb(0, 142, 92)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 48.298, 158.480 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, 92) }
```

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

```
.background{ background-color: rgb(0, 142,  
92) }
```

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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