

Converting Colors

CIELCh(51, 56.367, 162.667)

Have a look what the booklet for
CIELCh(51, 56.367, 162.667)
contains.

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Color

CIELCh(52, 48.706, 157.991)

Conversions

Conversions Part 1

Format	Color
Hex	008E5B
RGB	0, 142, 91
RGB Percent	0%, 56%, 36%
CMY	0.9984, 0.4426, 0.6427
CMYK	1.00, 0.00, 0.36, 0.44
HSL	158°, 99%, 28%
HSV	158°, 100%, 56%
XYZ	11.5906, 20.1443, 13.2016
YIQ	93.7280, -68.2610, -45.9650

Conversions

Conversions Part 2

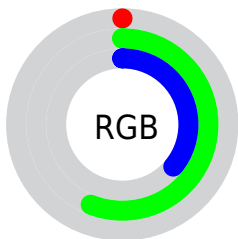
Format	Color
RYB	0, 87, 142
Decimal	36443
CIELab	52.00, -45.16, 18.25
CIELCh	52, 48.706, 157.991
Yxy	20.1443, 0.2579, 0.4483
Android (android.graphics.Color)	4278226523 (0xFF008E5B)
YUV	93.7280, -1.3449, -82.1995
Hunter-Lab	44.8824, -32.4479, 13.9783

Details

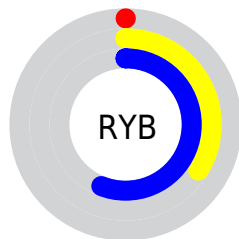
The CIELCh color **52, 48.706, 157.991** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **29, 55.129, 14.136**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 49.039, 157.710**, and **33, 40.146, 150.950** is the 20% darker color. If you saturate the color by 10%, you get **52, 48.785, 157.936**, and if you desaturate by 10%, it is **52, 45.900, 160.035**.

Distribution



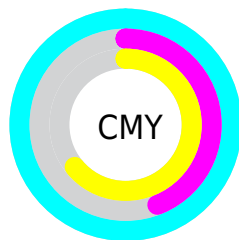
- Red (0%)
- Green (56%)
- Blue (36%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (44%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 48.706, 157.991 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, 48.706, 157.991 by changing the saturation by 10% instead.


 52, 48.706,
157.991


 52, 48.706,
157.991


 100, 48.706,
157.991


 42, 48.706,
157.991


 72, 48.706,
157.991

 32, 48.706,
157.991

 82, 48.706,
157.991

 22, 48.706,
157.991

 92, 48.706,
157.991

 12, 48.706,
157.991

 2, 48.706, 157.991

 0, 48.706, 157.991

■ 52, 48.706,
157.991

■ 52, 48.706,
157.991

■ 52, 48.785,
157.936

■ 52, 45.900,
160.035

■ 52, 42.662,
161.988

■ 53, 38.823,
163.744

■ 53, 34.397,
165.313

■ 54, 29.438,
166.717

■ 55, 24.029,
167.978

■ 56, 18.268,
169.119

■ 57, 12.253,

170.164

■ 58, 6.076, 171.144

Harmonies

Complementary

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



52, 48.706, 157.991



29, 55.129, 14.136

Rectangle

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



52, 48.706, 157.991



52, 48.706, 207.991



52, 48.706, 337.991



52, 48.706, 27.991

Sweetspot

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



52, 48.706, 157.991



70, 22.698, 169.021



52, 73.102, 131.455



36, 15.347, 168.608



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, 48.706, 157.991



66, 59.423, 157.428



47, 28.354, 220.447



30, 3.544, 171.197



50, 46.939, 158.050



2, 2.407, 171.953

Inverse Universe

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



29, 55.129, 14.136



39, 66.903, 15.503



30, 64.713, 41.590



28, 3.619, 352.710



28, 53.186, 13.982



1, 2.407, 351.940

Previews

White Background



This preview shows how the CIELCh color 52, 48.706, 157.991 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, 48.706, 157.991 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, 48.706, 157.991

Background



This preview shows how black text looks on a background with the CIELCh color 52, 48.706, 157.991.



This preview shows how white text looks on a background with the CIELCh color 52, 48.706, 157.991.

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, 48.706, 157.991

Protanopia
52, 23.507, 95.057

Deuteranopia
52, 16.858, 65.834



Tritanopia
52, 25.420, 211.847

Trichromacy



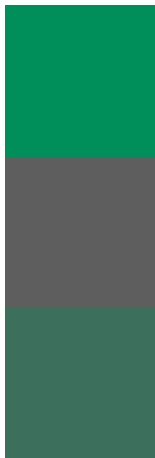
Original Color
52, 48.706, 157.991

Protanomaly
50, 31.414, 142.629

Deuteranomaly
50, 23.536, 145.000

Tritanomaly
52, 31.862, 183.556

Monochromacy



Original Color
52, 48.706, 157.991

Achromatopsia
40, 0.006, 296.813

Achromatomaly
43, 22.946, 166.935

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 48.706, 157.991 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, 91)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 91)  
}
```

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, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 48.706, 157.991 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, 91) }
```

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

```
.border{ border-color:rgb(0, 142, 91) }
```

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, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 91);  
box-shadow:4px 4px 4px 4px rgb(0, 142, 91)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 48.706, 157.991 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, 91) }
```

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

```
.background{ background-color: rgb(0, 142,  
91) }
```

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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