

Converting Colors

CIELCh(56, 52.230, 157.307)

Have a look what the booklet for
CIELCh(56, 52.230, 157.307)
contains.

CIELCh(56, 52.519, 157.069)	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(56, 52.519, 157.069)

Conversions

Conversions Part 1

Format	Color
Hex	009A61
RGB	0, 154, 97
RGB Percent	0%, 60%, 38%
CMY	1.0000, 0.3967, 0.6202
CMYK	1.00, 0.00, 0.37, 0.40
HSL	158°, 100%, 30%
HSV	158°, 100%, 60%
XYZ	13.6714, 23.9124, 15.1669
YIQ	101.4560, -73.4870, -50.3750

Conversions

Conversions Part 2

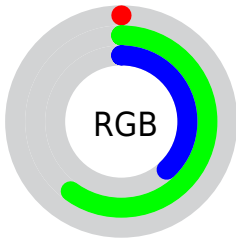
Format	Color
RYB	0, 94, 154
Decimal	39521
CIELab	56.00, -48.37, 20.46
CIELCh	56, 52.519, 157.069
Yxy	23.9124, 0.2592, 0.4533
Android (android.graphics.Color)	4278229601 (0xFF009A61)
YUV	101.4560, -2.1968, -88.9769
Hunter-Lab	48.9003, -35.6710, 15.8409

Details

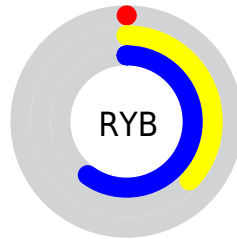
The CIELCh color **56, 52.519, 157.069** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **32, 58.406, 13.678**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **76, 52.217, 157.144**, and **37, 44.053, 150.328** is the 20% darker color. If you saturate the color by 10%, you get **56, 52.495, 157.051**, and if you desaturate by 10%, it is **56, 49.491, 159.144**.

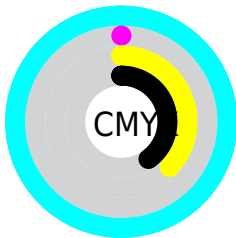
Distribution



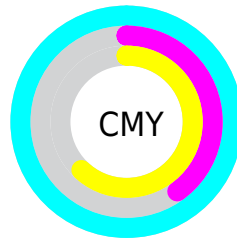
- Red (0%)
- Green (60%)
- Blue (38%)



- Red (0%)
- Yellow (37%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 52.519, 157.069 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 56, 52.519, 157.069 by changing the saturation by 10% instead.


 56, 52.519,
157.069


 56, 52.519,
157.069


 100, 52.519,
157.069


 46, 52.519,
157.069


 76, 52.519,
157.069

 36, 52.519,
157.069

 86, 52.519,
157.069

 26, 52.519,
157.069

 96, 52.519,
157.069

 16, 52.519,
157.069

 6, 52.519, 157.069

 0, 52.519, 157.069

■ 56, 52.519,
157.069

■ 56, 52.519,
157.069

■ 56, 52.495,
157.051

■ 56, 49.491,
159.144

■ 57, 46.016,
161.137

■ 57, 41.897,
162.930

■ 57, 37.146,
164.530

■ 58, 31.819,
165.959

■ 59, 26.007,
167.240

■ 60, 19.816,
168.396

■ 61, 13.351,

169.451

■ 62, 6.715, 170.437

Harmonies

Complementary

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



56, 52.519, 157.069



32, 58.406, 13.678

Rectangle

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



56, 52.519, 157.069



56, 52.519, 207.069



56, 52.519, 337.069



56, 52.519, 27.069

Sweetspot

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



56, 52.495, 157.051



76, 24.412, 168.332



56, 77.295, 131.170



39, 16.520, 167.898



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



56, 52.495, 157.051



71, 64.034, 156.575



52, 30.294, 217.259



32, 3.779, 170.513



51, 48.895, 157.251



3, 4.133, 170.607

Inverse Universe

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



32, 58.406, 13.678



42, 70.869, 14.829



32, 69.528, 41.439



30, 3.857, 352.041



29, 54.529, 13.197



1, 4.091, 351.663

Previews

White Background



This preview shows how the CIELCh color 56, 52.519, 157.069 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 56, 52.519, 157.069 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 56, 52.519, 157.069

Background



This preview shows how black text looks on a background with the CIELCh color 56, 52.519, 157.069.



This preview shows how white text looks on a background with the CIELCh color 56, 52.519, 157.069.

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
56, 52.519, 157.069

Protanopia
56, 26.019, 95.213

Deuteranopia
56, 19.263, 67.343



Tritanopia
56, 26.868, 212.119

Trichromacy



Original Color
56, 52.519, 157.069



Protanomaly
54, 34.670, 141.492



Deuteranomaly
54, 25.559, 143.391

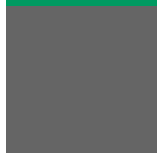


Tritanomaly
56, 33.767, 183.445

Monochromacy



Original Color
56, 52.519, 157.069



Achromatopsia
43, 0.006, 296.813



Achromatomaly
46, 24.574, 166.252

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 52.519, 157.069 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, 154, 97)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 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, 154, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 52.519, 157.069 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, 154, 97) }
```

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

```
.border{ border-color:rgb(0, 154, 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, 154, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 97);  
box-shadow:4px 4px 4px 4px rgb(0, 154, 97)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 56, 52.519, 157.069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 97) }
```

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

```
.background{ background-color: rgb(0, 154,  
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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