

Converting Colors

CIELCh(52, 56.719, 149.054)

Have a look what the booklet for
CIELCh(52, 56.719, 149.054)
contains.

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Color

CIELCh(52, 56.865, 148.946)

Conversions

Conversions Part 1

Format	Color
Hex	0D8F47
RGB	13, 143, 71
RGB Percent	5%, 56%, 28%
CMY	0.9504, 0.4397, 0.7220
CMYK	0.91, 0.00, 0.50, 0.44
HSL	147°, 84%, 30%
HSV	147°, 91%, 56%
XYZ	11.0986, 20.1443, 9.2460
YIQ	95.9220, -54.3680, -49.9520

Conversions

Conversions Part 2

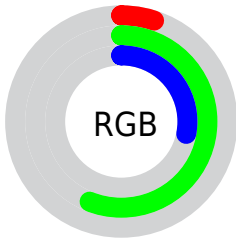
Format	Color
R_{YB}	13, 103, 143
Decimal	888647
CIE _{Lab}	52.00, -48.72, 29.33
CIE _{LCh}	52, 56.865, 148.946
Yxy	20.1443, 0.2741, 0.4975
Android (android.graphics.Color)	4279078727 (0xFF0D8F47)
YUV	95.9220, -12.2865, -72.7226
Hunter-Lab	44.8824, -34.4044, 19.2037

Details

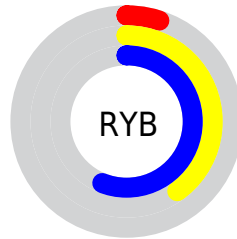
The CIELCh color **52, 56.865, 148.946** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **31, 54.765, 353.613**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 56.818, 148.995**, and **33, 49.485, 141.569** is the 20% darker color. If you saturate the color by 10%, you get **52, 60.309, 147.150**, and if you desaturate by 10%, it is **52, 52.525, 150.954**.

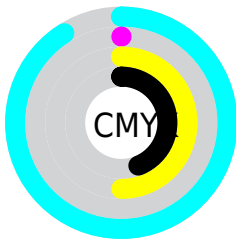
Distribution



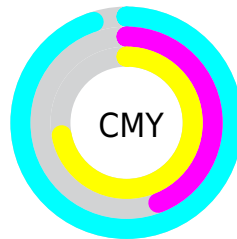
- Red (5%)
- Green (56%)
- Blue (28%)



- Red (5%)
- Yellow (40%)
- Blue (56%)



- Cyan (91%)
- Magenta (0%)
- Yellow (50%)
- Black (44%)





- Cyan (95%)
- Magenta (44%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 56.865, 148.946 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, 56.865, 148.946 by changing the saturation by 10% instead.


 52, 56.865,
148.946


 52, 56.865,
148.946


 100, 56.865,
148.946

 42, 56.865,
148.946


 72, 56.865,
148.946

 32, 56.865,
148.946

 82, 56.865,
148.946

 22, 56.865,
148.946

 92, 56.865,
148.946

 12, 56.865,
148.946

 2, 56.865, 148.946

 0, 56.865, 148.946

■ 52, 56.865,
148.946

■ 52, 56.865,
148.946

■ 52, 60.309,
147.150

■ 52, 52.525,
150.954

■ 53, 47.532,
152.771

■ 53, 41.921,
154.390

■ 54, 35.771,
155.821

■ 55, 29.190,
157.082

■ 56, 22.295,
158.195

■ 57, 15.201,
159.184

■ 58, 8.011, 160.078

Harmonies

Complementary

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



52, 56.865, 148.946



31, 54.765, 353.613

Rectangle

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



52, 56.865, 148.946



52, 56.865, 198.946



52, 56.865, 328.946



52, 56.865, 18.946

Sweetspot

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



52, 56.865, 148.946



71, 24.036, 158.561



54, 66.324, 124.605



37, 16.296, 158.252



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



52, 56.865, 148.946



66, 74.096, 146.632



53, 33.629, 187.569



30, 4.056, 160.247



49, 57.765, 147.276



2, 2.739, 160.917

Inverse Universe

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



31, 54.765, 353.613



40, 67.748, 357.102



30, 60.371, 33.398



28, 4.096, 341.572



29, 53.753, 356.059



1, 2.740, 340.908

Previews

White Background



This preview shows how the CIE LCh color 52, 56.865, 148.946 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, 56.865, 148.946 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, 56.865, 148.946

Background



This preview shows how black text looks on a background with the CIELCh color 52, 56.865, 148.946.



This preview shows how white text looks on a background with the CIELCh color 52, 56.865, 148.946.

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, 56.865, 148.946

Protanopia

52, 33.931, 95.563

Deuteranopia

52, 27.916, 76.288



Tritanopia
52, 24.350, 212.599

Trichromacy



Original Color
52, 56.865, 148.946



Protanomaly
50, 39.303, 130.910



Deuteranomaly
50, 32.048, 128.578

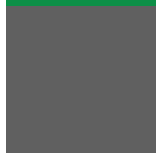


Tritanomaly
52, 32.733, 176.394

Monochromacy



Original Color
52, 56.865, 148.946



Achromatopsia
41, 0.006, 296.813



Achromatomaly
44, 24.368, 157.123

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 56.865, 148.946 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(13, 143, 71)` looks like.

```
.text, #text, p{  
    color:rgb(13, 143, 71)  
}
```

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(13, 143, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 143, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 56.865, 148.946 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(13, 143, 71) }
```

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

```
.border{ border-color:rgb(13, 143, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 143, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 143, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 143, 71);  
box-shadow:4px 4px 4px 4px rgb(13, 143,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 56.865, 148.946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 143, 71) }
```

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

```
.background{ background-color: rgb(13, 143,  
71) }
```

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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