

Converting Colors

CIELCh(52, 57.637, 149.638)

Have a look what the booklet for
CIELCh(52, 57.637, 149.638)
contains.

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Color

CIELCh(52, 57.486, 149.482)

Conversions

Conversions Part 1

Format	Color
Hex	008F47
RGB	0, 143, 71
RGB Percent	0%, 56%, 28%
CMY	0.9984, 0.4387, 0.7211
CMYK	1.00, 0.00, 0.50, 0.44
HSL	150°, 99%, 28%
HSV	150°, 100%, 56%
XYZ	10.9890, 20.1443, 9.2907
YIQ	92.0350, -62.1160, -52.7080

Conversions

Conversions Part 2

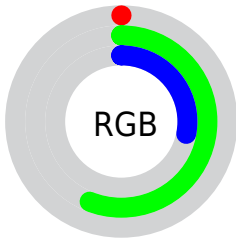
Format	Color
RYB	0, 96, 143
Decimal	36679
CIELab	52.00, -49.52, 29.19
CIELCh	52, 57.486, 149.482
Yxy	20.1443, 0.2718, 0.4983
Android (android.graphics.Color)	4278226759 (0xFF008F47)
YUV	92.0350, -10.3703, -80.7147
Hunter-Lab	44.8824, -34.8403, 19.1446

Details

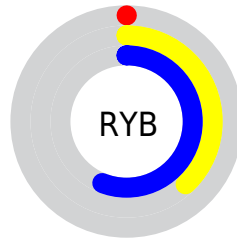
The CIELCh color **52, 57.486, 149.482** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **30, 55.226, 0.523**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 57.511, 149.627**, and **33, 49.485, 141.569** is the 20% darker color. If you saturate the color by 10%, you get **52, 57.593, 149.425**, and if you desaturate by 10%, it is **52, 53.797, 151.555**.

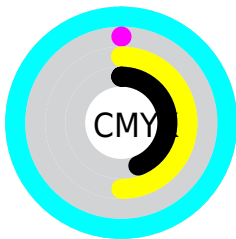
Distribution



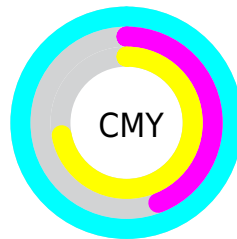
- Red (0%)
- Green (56%)
- Blue (28%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (44%)




- Cyan (100%)
- Magenta (44%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 57.486, 149.482 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, 57.486, 149.482 by changing the saturation by 10% instead.


 52, 57.486,
149.482


 52, 57.486,
149.482


 100, 57.486,
149.482


 42, 57.486,
149.482


 72, 57.486,
149.482

 32, 57.486,
149.482

 82, 57.486,
149.482

 22, 57.486,
149.482

 92, 57.486,
149.482

 12, 57.486,
149.482

 2, 57.486, 149.482

 0, 57.486, 149.482

■ 52, 57.486,
149.482

■ 52, 57.486,
149.482

■ 52, 57.593,
149.425

■ 52, 53.797,
151.555

■ 53, 49.624,
153.557

■ 53, 44.822,
155.360

■ 53, 39.424,
156.963

■ 54, 33.506,
158.382

■ 55, 27.169,
159.638

■ 56, 20.526,
160.753

■ 57, 13.685,

161.753

■ 58, 6.746, 162.667

Harmonies

Complementary

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



52, 57.486, 149.482



30, 55.226, 0.523

Rectangle

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



52, 57.486, 149.482



52, 57.486, 199.482



52, 57.486, 329.482



52, 57.486, 19.482

Sweetspot

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



52, 57.486, 149.482



71, 25.667, 160.655



53, 70.258, 127.124



37, 17.592, 160.244



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, 57.486, 149.482



66, 70.646, 148.902



54, 32.979, 193.918



30, 3.916, 162.714



49, 55.091, 149.557



2, 2.647, 163.411

Inverse Universe

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



30, 55.226, 0.523



40, 66.947, 1.589



29, 66.506, 38.448



28, 3.963, 344.095



28, 53.043, 0.384



1, 2.648, 343.401

Previews

White Background



This preview shows how the CIELCh color 52, 57.486, 149.482 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 52, 57.486, 149.482 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, 57.486, 149.482

Background



This preview shows how black text looks on a background with the CIELCh color 52, 57.486, 149.482.



This preview shows how white text looks on a background with the CIELCh color 52, 57.486, 149.482.

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, 57.486, 149.482

Protanopia

52, 34.327, 96.441

Deuteranopia

52, 27.418, 75.806



Tritanopia
52, 24.536, 212.464

Trichromacy



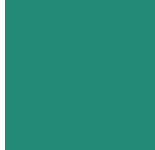
Original Color
52, 57.486, 149.482



Protanomaly
50, 40.672, 132.985



Deuteranomaly
50, 32.751, 131.152



Tritanomaly
52, 33.453, 176.759

Monochromacy



Original Color
52, 57.486, 149.482



Achromatopsia
39, 0.006, 296.813



Achromatomaly
43, 26.126, 158.167

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 57.486, 149.482 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, 143, 71)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 143, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 57.486, 149.482 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, 143, 71) }
```

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

```
.border{ border-color:rgb(0, 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(0, 143, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 71);  
box-shadow:4px 4px 4px 4px rgb(0, 143, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 57.486, 149.482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 71) }
```

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

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