

Converting Colors

CIELCh(47, 50.020, 152.292)

Have a look what the booklet for
CIELCh(47, 50.020, 152.292)
contains.

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Color

CIELCh(47, 49.882, 152.255)

Conversions

Conversions Part 1

Format	Color
Hex	048046
RGB	4, 128, 70
RGB Percent	2%, 50%, 27%
CMY	0.9838, 0.4964, 0.7240
CMYK	0.97, 0.00, 0.45, 0.50
HSL	152°, 94%, 26%
HSV	152°, 97%, 50%
XYZ	8.9418, 16.0195, 8.4767
YIQ	84.3120, -55.2860, -44.3260

Conversions

Conversions Part 2

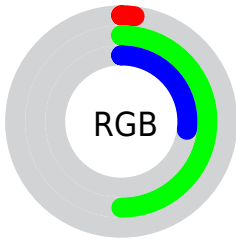
Format	Color
RYB	4, 85, 128
Decimal	294982
CIELab	47.00, -44.15, 23.22
CIElCh	47, 49.882, 152.255
Yxy	16.0195, 0.2674, 0.4791
Android (android.graphics.Color)	4278485062 (0xFF048046)
YUV	84.3120, -7.0558, -70.4336
Hunter-Lab	40.0243, -30.1638, 15.4601

Details

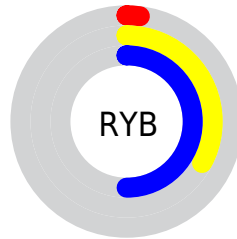
The CIELCh color **47, 49.882, 152.255** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **27, 50.226, 2.483**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 49.889, 152.086**, and **28, 41.700, 144.082** is the 20% darker color. If you saturate the color by 10%, you get **47, 50.928, 151.635**, and if you desaturate by 10%, it is **47, 46.551, 154.306**.

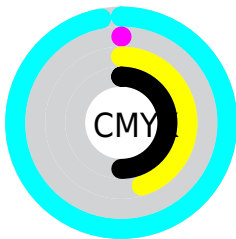
Distribution



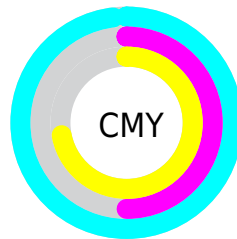
- Red (2%)
- Green (50%)
- Blue (27%)



- Red (2%)
- Yellow (33%)
- Blue (50%)



- Cyan (97%)
- Magenta (0%)
- Yellow (45%)
- Black (50%)



- Cyan (98%)
- Magenta (50%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 49.882, 152.255 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 47, 49.882, 152.255 by changing the saturation by 10% instead.

 47, 49.882,
152.255


 47, 49.882,
152.255

 100, 49.882,
152.255


 37, 49.882,
152.255

 67, 49.882,
152.255


 27, 49.882,
152.255

 77, 49.882,
152.255

 17, 49.882,
152.255

 87, 49.882,
152.255

 7, 49.882, 152.255

 97, 49.882,
152.255

 0, 49.882, 152.255

 47, 49.882,

 47, 49.882,

152.255

■ 47, 50.928,
151.635

152.255

■ 47, 46.551,
154.306

■ 48, 42.727,
156.218

■ 48, 38.347,
157.931

■ 48, 33.453,
159.455

■ 49, 28.116,
160.809

■ 50, 22.427,
162.013

■ 51, 16.484,
163.092

■ 52, 10.380,
164.069

Harmonies

Complementary

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



47, 49.882, 152.255



27, 50.226, 2.483

Rectangle

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



47, 49.882, 152.255



47, 49.882, 202.255



47, 49.882, 332.255



47, 49.882, 22.255

Sweetspot

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



47, 49.882, 152.255



64, 21.940, 162.794



48, 64.541, 127.897



33, 15.122, 162.405



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



47, 49.882, 152.255



60, 62.044, 151.068



48, 29.242, 198.888



26, 3.468, 164.774



47, 50.649, 151.652



0, 0.000, 0.000

Inverse Universe

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



27, 50.226, 2.483



35, 61.190, 4.749



26, 59.819, 38.082



25, 3.516, 346.164



26, 50.584, 3.586



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 49.882, 152.255 looks on a white 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

Black Background



This preview shows how the CIELCh color 47, 49.882, 152.255 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 49.882, 152.255

Background



This preview shows how black text looks on a background with the CIELCh color 47, 49.882, 152.255.



This preview shows how white text looks on a background with the CIELCh color 47, 49.882, 152.255.

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

47, 49.826, 152.204

Protanopia

47, 27.768, 95.673

Deuteranopia

47, 21.876, 72.903



Tritanopia
47, 22.772, 212.442

Trichromacy



Original Color

47, 49.826, 152.204



Protanomaly

45, 33.835, 134.966



Deuteranomaly

45, 26.419, 134.118



Tritanomaly

47, 30.066, 178.932

Monochromacy



Original Color

47, 49.826, 152.204



Achromatopsia

36, 0.005, 296.813



Achromatomaly

39, 22.094, 161.251

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 49.882, 152.255 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(4, 128, 70)` looks like.

```
.text, #text, p{  
    color:rgb(4, 128, 70)  
}
```

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(4, 128, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 128, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 49.882, 152.255 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(4, 128, 70) }
```

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

```
.border{ border-color:rgb(4, 128, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 128, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 128, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 128, 70);  
box-shadow:4px 4px 4px 4px rgb(4, 128, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 49.882, 152.255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 128, 70) }
```

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

```
.background{ background-color: rgb(4, 128,  
70) }
```

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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