

Converting Colors

CIELCh(46, 49.716, 151.859)

Have a look what the booklet for
CIELCh(46, 49.716, 151.859)
contains.

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Color

CIELCh(46, 49.717, 151.943)

Conversions

Conversions Part 1

Format	Color
Hex	017E44
RGB	1, 126, 68
RGB Percent	0%, 49%, 27%
CMY	0.9952, 0.5070, 0.7344
CMYK	0.99, 0.00, 0.46, 0.51
HSL	152°, 98%, 25%
HSV	152°, 99%, 49%
XYZ	8.4740, 15.2687, 7.9272
YIQ	82.0130, -55.8820, -44.5380

Conversions

Conversions Part 2

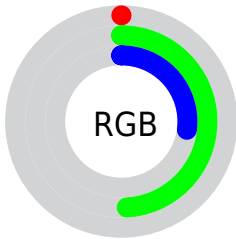
Format	Color
RYB	1, 82, 126
Decimal	97860
CIELab	46.00, -43.87, 23.38
CIElCh	46, 49.717, 151.943
Yxy	15.2687, 0.2676, 0.4821
Android (android.graphics.Color)	4278287940 (0xFF017E44)
YUV	82.0130, -6.9084, -71.0484
Hunter-Lab	39.0751, -29.6714, 15.3244

Details

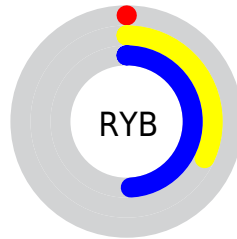
The CIELCh color **46, 49.717, 151.943** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **26, 49.874, 3.300**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 49.935, 152.002**, and **27, 41.443, 143.561** is the 20% darker color. If you saturate the color by 10%, you get **46, 50.030, 151.759**, and if you desaturate by 10%, it is **46, 46.485, 153.961**.

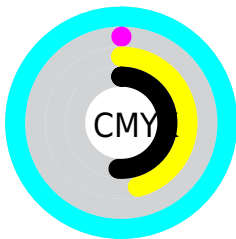
Distribution



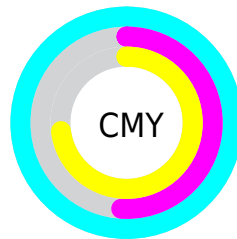
- Red (0%)
- Green (49%)
- Blue (27%)



- Red (0%)
- Yellow (32%)
- Blue (49%)



- Cyan (99%)
- Magenta (0%)
- Yellow (46%)
- Black (51%)





- Cyan (100%)
- Magenta (51%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 49.717, 151.943 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 46, 49.717, 151.943 by changing the saturation by 10% instead.


 46, 49.717,
151.943


 46, 49.717,
151.943


 100, 49.717,
151.943

 36, 49.717,
151.943


 66, 49.717,
151.943


 26, 49.717,
151.943


 76, 49.717,
151.943

 16, 49.717,
151.943

 86, 49.717,
151.943

 6, 49.717, 151.943

 96, 49.717,
151.943

 0, 49.717, 151.943

 46, 49.717,

 46, 49.717,

151.943

151.943

■ 46, 50.030,
151.759

■ 46, 46.485,
153.961

■ 47, 42.848,
155.909

■ 47, 38.663,
157.660

■ 47, 33.963,
159.219

■ 48, 28.811,
160.604

■ 49, 23.294,
161.837

■ 50, 17.507,
162.939

■ 51, 11.543,
163.934

Harmonies

Complementary

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



46, 49.717, 151.943



26, 49.874, 3.300

Rectangle

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



46, 49.717, 151.943



46, 49.717, 201.943



46, 49.717, 331.943



46, 49.717, 21.943

Sweetspot

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



46, 49.717, 151.943



63, 22.370, 162.761



47, 64.601, 128.523



32, 15.134, 162.389



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



46, 49.717, 151.943



59, 61.215, 151.170



46, 28.324, 201.562



26, 3.465, 164.848



47, 50.578, 151.724



0, 0.000, 0.000

Inverse Universe

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



26, 49.874, 3.300



35, 60.492, 4.813



25, 59.494, 38.714



25, 3.513, 346.239



26, 50.577, 3.709



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 49.717, 151.943 looks on a white background.

Color Contrast Check

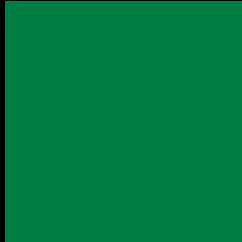
Large Text (above 18pt) WCAG AA ✓ Pass

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 46, 49.717, 151.943 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 46, 49.717, 151.943

Background



This preview shows how black text looks on a background with the CIELCh color 46, 49.717, 151.943.



This preview shows how white text looks on a background with the CIELCh color 46, 49.717, 151.943.

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


46, 49.775, 151.995

Protanopia

46, 28.295, 96.639

Deuteranopia

46, 22.185, 74.513



Tritanopia
46, 22.502, 211.073

Trichromacy



Original Color
46, 49.775, 151.995

Protanomaly
44, 34.614, 135.014

Deuteranomaly
44, 27.210, 134.262

Tritanomaly
46, 29.781, 178.658

Monochromacy



Original Color
46, 49.775, 151.995

Achromatopsia
35, 0.005, 296.813

Achromatomaly
38, 22.171, 161.108

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 49.717, 151.943 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(1, 126, 68)` looks like.

```
.text, #text, p{  
    color:rgb(1, 126, 68)  
}
```

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(1, 126, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 126, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 49.717, 151.943 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(1, 126, 68) }
```

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

```
.border{ border-color:rgb(1, 126, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 126, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 126, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 126, 68);  
box-shadow:4px 4px 4px 4px rgb(1, 126, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 49.717, 151.943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 126, 68) }
```

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

```
.background{ background-color: rgb(1, 126,  
68) }
```

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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