

Converting Colors

CIELCh(46, 51.833, 150.220)

Have a look what the booklet for
CIELCh(46, 51.833, 150.220)
contains.

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Color

CIELCh(46, 51.945, 149.959)

Conversions

Conversions Part 1

Format	Color
Hex	007E3F
RGB	0, 126, 63
RGB Percent	0%, 49%, 25%
CMY	1.0000, 0.5060, 0.7531
CMYK	1.00, 0.00, 0.50, 0.51
HSL	150°, 100%, 25%
HSV	150°, 100%, 49%
XYZ	8.3502, 15.2687, 7.2042
YIQ	81.1440, -54.8730, -46.3050

Conversions

Conversions Part 2

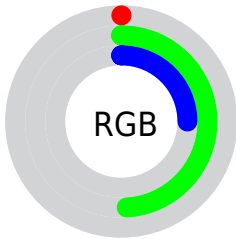
Format	Color
RYB	0, 84, 126
Decimal	32319
CIELab	46.00, -44.97, 26.00
CIELCh	46, 51.945, 149.959
Yxy	15.2687, 0.2709, 0.4954
Android (android.graphics.Color)	4278222399 (0xFF007E3F)
YUV	81.1440, -8.9450, -71.1633
Hunter-Lab	39.0751, -30.2368, 16.4215

Details

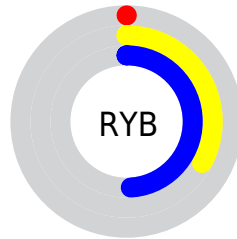
The CIELCh color **46, 51.945, 149.959** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **26, 50.402, 0.481**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 51.985, 150.001**, and **27, 43.810, 141.116** is the 20% darker color. If you saturate the color by 10%, you get **46, 51.939, 149.953**, and if you desaturate by 10%, it is **46, 48.545, 151.946**.

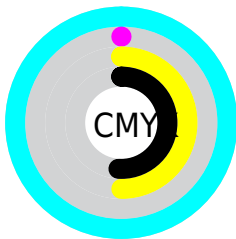
Distribution



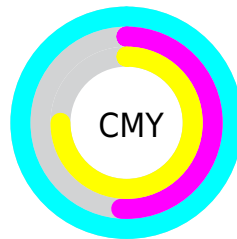
- Red (0%)
- Green (49%)
- Blue (25%)



- Red (0%)
- Yellow (33%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (51%)





- Cyan (100%)
- Magenta (51%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 51.945, 149.959 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, 51.945, 149.959 by changing the saturation by 10% instead.


 46, 51.945,
149.959


 46, 51.945,
149.959


 100, 51.945,
149.959


 36, 51.945,
149.959

 66, 51.945,
149.959


 26, 51.945,
149.959

 76, 51.945,
149.959

 16, 51.945,
149.959

 86, 51.945,
149.959

 6, 51.945, 149.959

 96, 51.945,
149.959

 0, 51.945, 149.959

 46, 51.945,

 46, 51.945,

149.959

149.959

■ 46, 51.939,
149.953

■ 46, 48.545,
151.946

■ 46, 44.769,
153.911

■ 47, 40.435,
155.680

■ 47, 35.575,
157.256

■ 48, 30.256,
158.652

■ 49, 24.566,
159.890

■ 50, 18.604,
160.993

■ 51, 12.467,
161.982

Harmonies

Complementary

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



46, 51.945, 149.959



26, 50.402, 0.481

Rectangle

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



46, 51.945, 149.959



46, 51.945, 199.959



46, 51.945, 329.959



46, 51.945, 19.959

Sweetspot

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



46, 51.939, 149.953



63, 22.982, 160.919



47, 64.014, 126.943



32, 15.555, 160.551



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, 51.939, 149.953



59, 63.474, 149.371



47, 30.078, 193.940



26, 3.551, 162.967



47, 52.428, 149.923



0, 0.000, 0.000

Inverse Universe

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



26, 50.402, 0.481



35, 60.738, 1.550



25, 59.996, 37.589



25, 3.594, 344.322



26, 50.839, 0.536



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 51.945, 149.959 looks on a white background.

Color Contrast Check

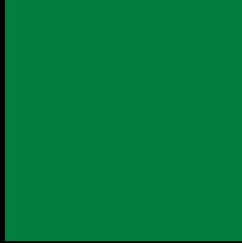
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 46, 51.945, 149.959 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, 51.945, 149.959

Background



This preview shows how black text looks on a background with the CIELCh color 46, 51.945, 149.959.



This preview shows how white text looks on a background with the CIELCh color 46, 51.945, 149.959.

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, 51.945, 149.959

Protanopia

46, 30.547, 96.068

Deuteranopia

46, 24.490, 76.033



Tritanopia
46, 22.312, 211.211

Trichromacy



Original Color
46, 51.945, 149.959

Protanomaly
44, 36.559, 133.289

Deuteranomaly
44, 29.258, 132.144

Tritanomaly
46, 30.760, 175.673

Monochromacy



Original Color
46, 51.945, 149.959

Achromatopsia
34, 0.005, 296.813

Achromatomaly
37, 23.036, 158.722

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 51.945, 149.959 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, 126, 63)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 63)  
}
```

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, 126, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 51.945, 149.959 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, 126, 63) }
```

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

```
.border{ border-color:rgb(0, 126, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 126, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 63);  
box-shadow:4px 4px 4px 4px rgb(0, 126, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 51.945, 149.959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 63) }
```

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

```
.background{ background-color: rgb(0, 126,  
63) }
```

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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