

Converting Colors

CIELCh(46, 58.600, 144.137)

Have a look what the booklet for
CIELCh(46, 58.600, 144.137)
contains.

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Color

CIELCh(46, 58.304, 144.217)

Conversions

Conversions Part 1

Format	Color
Hex	047E2F
RGB	4, 126, 47
RGB Percent	2%, 49%, 18%
CMY	0.9836, 0.5042, 0.8141
CMYK	0.97, 0.00, 0.63, 0.50
HSL	141°, 94%, 26%
HSV	141°, 97%, 50%
XYZ	8.0902, 15.2687, 5.2524
YIQ	80.5160, -47.3530, -50.4330

Conversions

Conversions Part 2

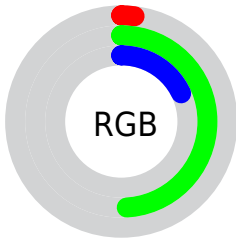
Format	Color
R_{YB}	4, 94, 126
Decimal	294447
CIE _{Lab}	46.00, -47.30, 34.09
CIE _{LCh}	46, 58.304, 144.217
Yxy	15.2687, 0.2828, 0.5337
Android (android.graphics.Color)	4278484527 (0xFF047E2F)
YUV	80.5160, -16.5234, -67.1045
Hunter-Lab	39.0751, -31.4245, 19.3830

Details

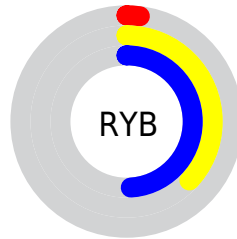
The CIELCh color **46, 58.304, 144.217** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **27, 53.043, 347.463**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 58.260, 144.153**, and **27, 49.390, 136.086** is the 20% darker color. If you saturate the color by 10%, you get **46, 59.576, 143.645**, and if you desaturate by 10%, it is **46, 54.265, 146.122**.

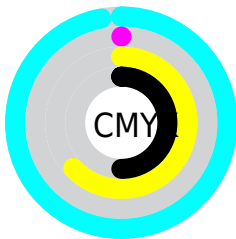
Distribution



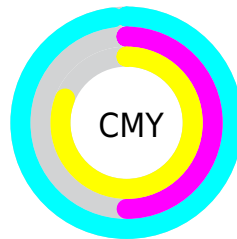
- Red (2%)
- Green (49%)
- Blue (18%)



- Red (2%)
- Yellow (37%)
- Blue (49%)



- Cyan (97%)
- Magenta (0%)
- Yellow (63%)
- Black (50%)





- Cyan (98%)
- Magenta (50%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 58.304, 144.217 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, 58.304, 144.217 by changing the saturation by 10% instead.


 46, 58.304,
144.217


 46, 58.304,
144.217


 100, 58.304,
144.217

 36, 58.304,
144.217

 66, 58.304,
144.217


 26, 58.304,
144.217

 76, 58.304,
144.217

 16, 58.304,
144.217

 86, 58.304,
144.217

 6, 58.304, 144.217

 96, 58.304,
144.217

 0, 58.304, 144.217

 46, 58.304,

 46, 58.304,

144.217

144.217

■ 46, 59.576,
143.645

■ 46, 54.265,
146.122

■ 47, 49.604,
147.938

■ 47, 44.307,
149.581

■ 48, 38.453,
151.042

■ 48, 32.145,
152.329

■ 49, 25.499,
153.457

■ 50, 18.634,
154.448

■ 51, 11.654,
155.323

Harmonies

Complementary

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



46, 58.304, 144.217



27, 53.043, 347.463

Rectangle

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



46, 58.304, 144.217



46, 58.304, 194.217



46, 58.304, 324.217



46, 58.304, 14.217

Sweetspot

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



46, 58.304, 144.217



63, 24.929, 154.166



48, 60.518, 121.510



32, 16.992, 153.819



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, 58.304, 144.217



59, 72.607, 143.118



47, 34.066, 177.213



26, 3.954, 155.930



46, 59.962, 143.626



0, 0.000, 0.000

Inverse Universe

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



27, 53.043, 347.463



36, 64.157, 348.750



26, 54.556, 29.815



25, 3.979, 337.119



27, 53.819, 348.145



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 58.304, 144.217 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, 58.304, 144.217 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, 58.304, 144.217

Background



This preview shows how black text looks on a background with the CIELCh color 46, 58.304, 144.217.



This preview shows how white text looks on a background with the CIELCh color 46, 58.304, 144.217.

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, 58.249, 144.163

Protanopia
46, 38.285, 96.066

Deuteranopia
46, 32.679, 78.705



Tritanopia
46, 21.522, 213.509

Trichromacy



Original Color
46, 58.249, 144.163

Protanomaly
44, 43.053, 126.716

Deuteranomaly
44, 36.184, 123.648

Tritanomaly
46, 31.469, 171.382

Monochromacy



Original Color
46, 58.249, 144.163

Achromatopsia
34, 0.005, 296.813

Achromatomaly
38, 25.658, 152.660

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 58.304, 144.217 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, 126, 47)` looks like.

```
.text, #text, p{  
    color:rgb(4, 126, 47)  
}
```

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, 126, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 126, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 58.304, 144.217 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, 126, 47) }
```

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

```
.border{ border-color:rgb(4, 126, 47) }
```

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

Here you see how a box with a 4 pixel rgb(4, 126, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 126, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 126, 47);  
box-shadow:4px 4px 4px 4px rgb(4, 126, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 58.304, 144.217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 126, 47) }
```

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

```
.background{ background-color: rgb(4, 126,  
47) }
```

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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