

Converting Colors

CIELCh(46, 47.082, 144.162)

Have a look what the booklet for
CIELCh(46, 47.082, 144.162)
contains.

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Color

CIELCh(46, 47.445, 144.032)

Conversions

Conversions Part 1

Format	Color
Hex	2E7C3C
RGB	46, 124, 60
RGB Percent	18%, 49%, 24%
CMY	0.8204, 0.5145, 0.7654
CMYK	0.63, 0.00, 0.52, 0.51
HSL	131°, 46%, 33%
HSV	131°, 63%, 49%
XYZ	9.1125, 15.2687, 6.7182
YIQ	93.3820, -25.9440, -36.4400

Conversions

Conversions Part 2

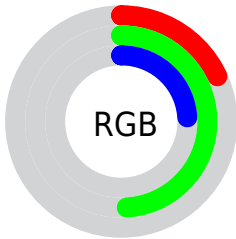
Format	Color
R_{YB}	46, 112, 124
Decimal	3046460
CIE _{Lab}	46.00, -38.40, 27.87
CIE _{LCh}	46, 47.445, 144.032
Yxy	15.2687, 0.2930, 0.4910
Android (android.graphics.Color)	4281236540 (0xFF2E7C3C)
YUV	93.3820, -16.4573, -41.5540
Hunter-Lab	39.0751, -26.7547, 17.1588

Details

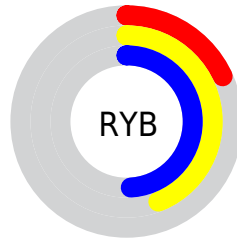
The CIELCh color **46, 47.445, 144.032** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **33, 46.781, 333.801**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 47.024, 144.020**, and **27, 44.367, 140.181** is the 20% darker color. If you saturate the color by 10%, you get **46, 53.571, 142.624**, and if you desaturate by 10%, it is **47, 40.661, 145.309**.

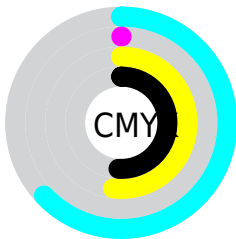
Distribution



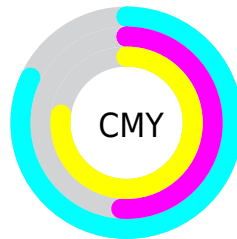
- Red (18%)
- Green (49%)
- Blue (24%)



- Red (18%)
- Yellow (44%)
- Blue (49%)



- Cyan (63%)
- Magenta (0%)
- Yellow (52%)
- Black (51%)





- Cyan (82%)
- Magenta (51%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 47.445, 144.032 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, 47.445, 144.032 by changing the saturation by 10% instead.


 46, 47.445,
144.032


 46, 47.445,
144.032


 100, 47.445,
144.032


 36, 47.445,
144.032

 66, 47.445,
144.032


 26, 47.445,
144.032

 76, 47.445,
144.032

 16, 47.445,
144.032

 86, 47.445,
144.032

 6, 47.445, 144.032

 96, 47.445,
144.032

 0, 47.445, 144.032

 46, 47.445,

 46, 47.445,

144.032

144.032

■ 46, 53.571,
142.624

■ 47, 40.661,
145.309

■ 45, 58.873,
141.121

■ 47, 33.387,
146.440

■ 45, 63.203,
139.599

■ 48, 25.785,
147.430

■ 45, 65.728,
138.725

■ 49, 17.998,
148.290

■ 50, 10.149,
149.041

■ 52, 2.334, 149.753

■ 53, 5.372, 330.179

■ 54, 12.918,
330.688

■ 56, 20.268,
331.120

Harmonies

Complementary

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



46, 47.445, 144.032



33, 46.781, 333.801

Rectangle

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



46, 47.445, 144.032



46, 47.445, 194.032



46, 47.445, 324.032



46, 47.445, 14.032

Sweetspot

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



46, 47.445, 144.032



63, 18.373, 148.569



49, 43.192, 112.619



33, 12.750, 148.383



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, 47.445, 144.032



58, 67.957, 141.911



47, 31.385, 166.719



25, 4.340, 149.315



45, 66.186, 138.709



87, 113.678, 137.864

Inverse Universe

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



33, 46.781, 333.801



39, 65.219, 334.845



31, 36.503, 2.572



24, 4.352, 330.337



28, 59.488, 336.619



57, 99.435, 337.164

Previews

White Background



This preview shows how the CIELCh color 46, 47.445, 144.032 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, 47.445, 144.032 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, 47.445, 144.032

Background



This preview shows how black text looks on a background with the CIELCh color 46, 47.445, 144.032.



This preview shows how white text looks on a background with the CIELCh color 46, 47.445, 144.032.

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, 47.445, 144.032

Protanopia

46, 31.211, 95.236

Deuteranopia

46, 26.334, 76.678



Tritanopia
46, 18.297, 214.772

Trichromacy



Original Color
46, 47.445, 144.032

Protanomaly
45, 34.037, 121.898

Deuteranomaly
45, 28.281, 116.470

Tritanomaly
46, 24.718, 172.468

Monochromacy



Original Color
46, 47.445, 144.032

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 18.260, 147.966

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 47.445, 144.032 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(46, 124, 60)` looks like.

```
.text, #text, p{  
    color:rgb(46, 124, 60)  
}
```

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(46, 124, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 124, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 47.445, 144.032 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(46, 124, 60) }
```

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

```
.border{ border-color:rgb(46, 124, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 124, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 124, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 124, 60);  
box-shadow:4px 4px 4px 4px rgb(46, 124,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 47.445, 144.032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 124, 60) }
```

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

```
.background{ background-color: rgb(46, 124,  
60) }
```

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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