

Converting Colors

CIELCh(46, 64.522, 121.921)

Have a look what the booklet for
CIELCh(46, 64.522, 121.921)
contains.

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Color

CIELCh(46, 60.757, 123.498)

Conversions

Conversions Part 1

Format	Color
Hex	4A7A00
RGB	74, 122, 0
RGB Percent	29%, 48%, 0%
CMY	0.7113, 0.5230, 1.0000
CMYK	0.39, 0.00, 1.00, 0.52
HSL	84°, 100%, 24%
HSV	84°, 100%, 48%
XYZ	9.7063, 15.2687, 2.4199
YIQ	93.7400, 10.5540, -48.1180

Conversions

Conversions Part 2

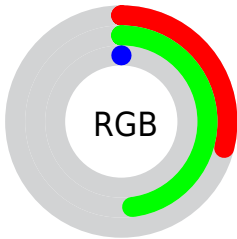
Format	Color
RYB	0, 122, 48
Decimal	4880896
CIELab	46.00, -33.53, 50.67
CIELCh	46, 60.757, 123.498
Yxy	15.2687, 0.3543, 0.5574
Android (android.graphics.Color)	4283070976 (0xFF4A7A00)
YUV	93.7400, -46.2138, -17.3120
Hunter-Lab	39.0751, -24.0418, 23.6808

Details

The CIELCh color **46, 60.757, 123.498** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **16, 73.451, 310.161**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 60.819, 123.404**, and **26, 46.321, 132.634** is the 20% darker color. If you saturate the color by 10%, you get **46, 60.650, 123.547**, and if you desaturate by 10%, it is **46, 57.561, 122.901**.

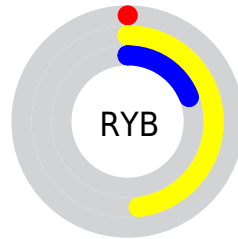
Distribution



Red (29%)

Green (48%)

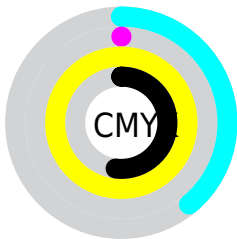
Blue (0%)



Red (0%)

Yellow (48%)

Blue (19%)

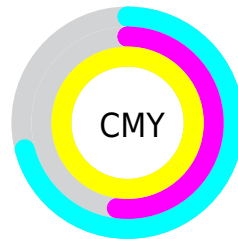


Cyan (39%)

Magenta (0%)

Yellow (100%)

Black (52%)



Cyan (71%)

Magenta (52%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 60.757, 123.498 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, 60.757, 123.498 by changing the saturation by 10% instead.

 46, 60.757,
123.498


 46, 60.757,
123.498


 100, 60.757,
123.498

 36, 60.757,
123.498

 66, 60.757,
123.498


 26, 60.757,
123.498

 76, 60.757,
123.498

 16, 60.757,
123.498

 86, 60.757,
123.498

 6, 60.757, 123.498

 96, 60.757,
123.498

 0, 60.757, 123.498

 46, 60.757,

 46, 60.757,

123.498

123.498

■ 46, 60.650,
123.547

■ 46, 57.561,
122.901

■ 47, 53.656,
122.460

■ 47, 48.585,
122.386

■ 47, 42.642,
122.571

■ 48, 36.101,
122.921

■ 48, 29.173,
123.364

■ 49, 22.010,
123.851

■ 50, 14.715,
124.351

Harmonies

Complementary

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



46, 60.757, 123.498



16, 73.451, 310.161

Rectangle

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



46, 60.757, 123.498



46, 60.757, 173.498



46, 60.757, 303.498



46, 60.757, 353.498

Sweetspot

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



46, 60.650, 123.547



63, 27.269, 123.815



30, 51.303, 53.221



32, 18.471, 123.648



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



46, 60.650, 123.547



59, 73.599, 123.938



44, 68.491, 135.191



25, 4.165, 124.892



47, 61.854, 123.592



90, 104.831, 124.442

Inverse Universe

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



16, 73.451, 310.161



22, 89.120, 309.900



25, 67.362, 323.884



24, 4.230, 305.742



16, 74.908, 310.131



37, 126.900, 309.572

Previews

White Background



This preview shows how the CIELCh color 46, 60.757, 123.498 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, 60.757, 123.498 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, 60.757, 123.498

Background



This preview shows how black text looks on a background with the CIELCh color 46, 60.757, 123.498.



This preview shows how white text looks on a background with the CIELCh color 46, 60.757, 123.498.

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, 60.757, 123.498

Deuteranopia
46, 46.666, 82.596

Tritanopia
46, 10.811, 228.334

Trichromacy



Original Color
46, 60.757, 123.498

Deuteranomaly
45, 48.734, 101.009

Tritanomaly
45, 26.603, 139.686

Monochromacy



Original Color
46, 60.757, 123.498

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 27.079, 122.948

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 60.757, 123.498 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(74, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(74, 122, 0)  
}
```

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(74, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 122, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 60.757, 123.498 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(74, 122, 0) }
```

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

```
.border{ border-color:rgb(74, 122, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 122, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(74, 122, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 60.757, 123.498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 122, 0) }
```

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

```
.background{ background-color: rgb(74, 122,  
0) }
```

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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