

Converting Colors

CIELCh(45, 68.104, 121.961)

Have a look what the booklet for
CIELCh(45, 68.104, 121.961)
contains.

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Color

CIELCh(45, 60.798, 125.047)

Conversions

Conversions Part 1

Format	Color
Hex	447800
RGB	68, 120, 0
RGB Percent	27%, 47%, 0%
CMY	0.7351, 0.5311, 1.0000
CMYK	0.44, 0.00, 1.00, 0.53
HSL	86°, 100%, 23%
HSV	86°, 100%, 47%
XYZ	9.0144, 14.5417, 2.3140
YIQ	90.7720, 7.5280, -48.3440

Conversions

Conversions Part 2

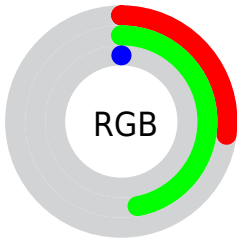
Format	Color
RYB	0, 120, 52
Decimal	4487168
CIELab	45.00, -34.91, 49.77
CIELCh	45, 60.798, 125.047
Yxy	14.5417, 0.3484, 0.5621
Android (android.graphics.Color)	4282677248 (0xFF447800)
YUV	90.7720, -44.7506, -19.9710
Hunter-Lab	38.1336, -24.5383, 23.0958

Details

The CIELCh color **45, 60.798, 125.047** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **16, 71.954, 310.943**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 61.037, 124.903**, and **25, 46.509, 134.677** is the 20% darker color. If you saturate the color by 10%, you get **45, 60.674, 125.107**, and if you desaturate by 10%, it is **45, 57.499, 124.474**.

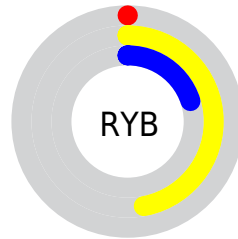
Distribution



Red (27%)

Green (47%)

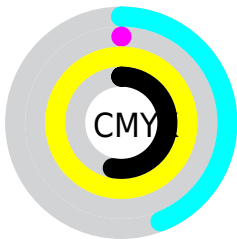
Blue (0%)



Red (0%)

Yellow (47%)

Blue (20%)

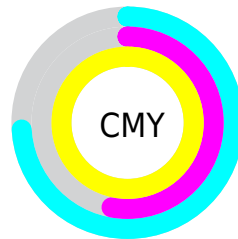


Cyan (44%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (74%)


Magenta (53%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 60.798, 125.047 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 45, 60.798, 125.047 by changing the saturation by 10% instead.


 45, 60.798,
125.047


 45, 60.798,
125.047


 100, 60.798,
125.047


 35, 60.798,
125.047

 65, 60.798,
125.047


 25, 60.798,
125.047

 75, 60.798,
125.047

 15, 60.798,
125.047

 85, 60.798,
125.047

 5, 60.798, 125.047

 95, 60.798,
125.047

 0, 60.798, 125.047

 45, 60.798,

 45, 60.798,

125.047

125.047

■ 45, 60.674,
125.107

■ 45, 57.499,
124.474

■ 46, 53.541,
124.028

■ 46, 48.441,
123.950

■ 46, 42.488,
124.130

■ 47, 35.952,
124.471

■ 48, 29.040,
124.902

■ 48, 21.900,
125.374

■ 49, 14.634,
125.855

Harmonies

Complementary

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



45, 60.798, 125.047



16, 71.954, 310.943

Rectangle

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



45, 60.798, 125.047



45, 60.798, 175.047



45, 60.798, 305.047



45, 60.798, 355.047

Sweetspot

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



45, 60.674, 125.107



62, 27.154, 125.338



30, 49.523, 56.848



32, 18.641, 125.175



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 60.674, 125.107



58, 73.681, 125.514



43, 67.987, 135.552



24, 4.052, 126.376



46, 61.719, 125.147



89, 105.450, 126.040

Inverse Universe

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



16, 71.954, 310.943



22, 87.326, 310.669



26, 66.256, 325.722



23, 4.111, 307.172



16, 73.190, 310.916



38, 124.873, 310.318

Previews

White Background



This preview shows how the CIELCh color 45, 60.798, 125.047 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 45, 60.798, 125.047 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 45, 60.798, 125.047

Background



This preview shows how black text looks on a background with the CIELCh color 45, 60.798, 125.047.

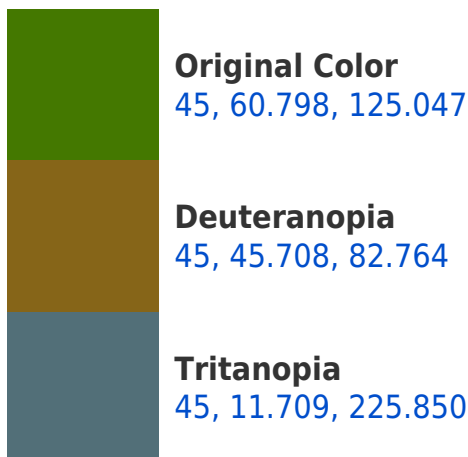


This preview shows how white text looks on a background with the CIELCh color 45, 60.798, 125.047.

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



Trichromacy



Original Color
45, 60.798, 125.047

Deuteranomaly
44, 47.944, 102.157

Tritanomaly
44, 27.360, 141.586

Monochromacy



Original Color
45, 60.798, 125.047

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 27.445, 124.655

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 60.798, 125.047 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(68, 120, 0)` looks like.

```
.text, #text, p{  
    color:rgb(68, 120, 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(68, 120, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 120, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 60.798, 125.047 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(68, 120, 0) }
```

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

```
.border{ border-color:rgb(68, 120, 0) }
```

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

Here you see how a box with a 4 pixel rgb(68, 120, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 120, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 120, 0);  
box-shadow:4px 4px 4px 4px rgb(68, 120, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 60.798, 125.047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 120, 0) }
```

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

```
.background{ background-color: rgb(68, 120,  
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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