

Converting Colors

CIELCh(45, 58.200, 120.316)

Have a look what the booklet for
CIELCh(45, 58.200, 120.316)
contains.

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Color

CIELCh(45, 58.154, 120.729)

Conversions

Conversions Part 1

Format	Color
Hex	4F7600
RGB	79, 118, 0
RGB Percent	31%, 46%, 0%
CMY	0.6913, 0.5383, 1.0000
CMYK	0.33, 0.00, 1.00, 0.54
HSL	80°, 100%, 23%
HSV	80°, 100%, 46%
XYZ	9.6450, 14.5417, 2.2872
YIQ	92.8870, 14.6340, -44.9660

Conversions

Conversions Part 2

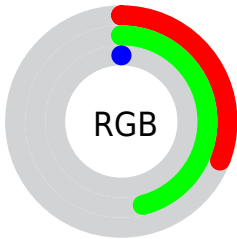
Format	Color
RYB	0, 118, 39
Decimal	5207552
CIELab	45.00, -29.72, 49.99
CIELCh	45, 58.154, 120.729
Yxy	14.5417, 0.3643, 0.5493
Android (android.graphics.Color)	4283397632 (0xFF4F7600)
YUV	92.8870, -45.7933, -12.1789
Hunter-Lab	38.1336, -21.5865, 23.1374

Details

The CIELCh color **45, 58.154, 120.729** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **14, 72.600, 309.148**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 58.062, 120.714**, and **25, 43.120, 130.080** is the 20% darker color. If you saturate the color by 10%, you get **45, 58.072, 120.764**, and if you desaturate by 10%, it is **45, 55.125, 120.199**.

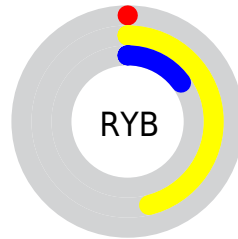
Distribution



Red (31%)

Green (46%)

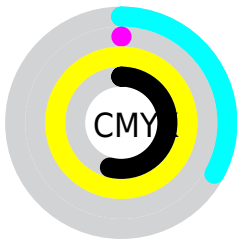
Blue (0%)



Red (0%)

Yellow (46%)

Blue (15%)

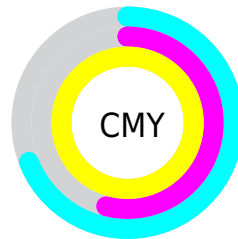


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (54%)



Cyan (69%)

Magenta (54%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 58.154, 120.729 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, 58.154, 120.729 by changing the saturation by 10% instead.


 45, 58.154,
120.729


 45, 58.154,
120.729


 100, 58.154,
120.729

 35, 58.154,
120.729

 65, 58.154,
120.729


 25, 58.154,
120.729

 75, 58.154,
120.729

 15, 58.154,
120.729

 85, 58.154,
120.729

 5, 58.154, 120.729

 95, 58.154,
120.729

 0, 58.154, 120.729

 45, 58.154,

 45, 58.154,

120.729

120.729

■ 45, 58.072,
120.764

■ 45, 55.125,
120.199

■ 46, 51.428,
119.821

■ 46, 46.598,
119.794

■ 46, 40.921,
120.015

■ 47, 34.662,
120.397

■ 47, 28.026,
120.872

■ 48, 21.157,
121.394

■ 48, 14.153,
121.931

Harmonies

Complementary

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



45, 58.154, 120.729



14, 72.600, 309.148

Rectangle

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



45, 58.154, 120.729



45, 58.154, 170.729



45, 58.154, 300.729



45, 58.154, 350.729

Sweetspot

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



45, 58.072, 120.764



61, 26.211, 121.353



27, 51.410, 48.938



31, 17.744, 121.179



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



45, 58.072, 120.764



58, 70.384, 121.139



43, 66.275, 134.469



24, 3.974, 122.517



47, 59.738, 120.826



90, 101.848, 121.645

Inverse Universe

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



14, 72.600, 309.148



20, 88.039, 308.899



23, 66.307, 321.547



22, 4.041, 303.451



15, 74.689, 309.106



35, 127.464, 308.579

Previews

White Background



This preview shows how the CIELCh color 45, 58.154, 120.729 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, 58.154, 120.729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

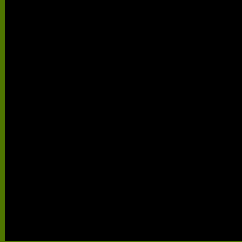
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 58.154, 120.729

Background



This preview shows how black text looks on a background with the CIELCh color 45, 58.154, 120.729.



This preview shows how white text looks on a background with the CIELCh color 45, 58.154, 120.729.

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

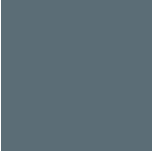
45, 58.154, 120.729

Protanopia

45, 51.581, 95.666

Deuteranopia

45, 46.064, 82.867



Tritanopia
45, 8.541, 237.974

Trichromacy



Original Color
45, 58.154, 120.729

Protanomaly
45, 52.606, 106.037

Deuteranomaly
44, 47.694, 99.190

Tritanomaly
44, 24.353, 133.480

Monochromacy



Original Color
45, 58.154, 120.729

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 26.187, 120.564

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 58.154, 120.729 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(79, 118, 0)` looks like.

```
.text, #text, p{  
    color:rgb(79, 118, 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(79, 118, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 118, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 58.154, 120.729 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(79, 118, 0) }
```

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

```
.border{ border-color:rgb(79, 118, 0) }
```

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

Here you see how a box with a 4 pixel rgb(79, 118, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 118, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 118, 0);  
box-shadow:4px 4px 4px 4px rgb(79, 118, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 58.154, 120.729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 118, 0) }
```

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

```
.background{ background-color: rgb(79, 118,  
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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