

Converting Colors

CIELCh(45, 61.032, 121.558)

Have a look what the booklet for
CIELCh(45, 61.032, 121.558)
contains.

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Color

CIELCh(45, 59.220, 122.467)

Conversions

Conversions Part 1

Format	Color
Hex	4A7600
RGB	74, 118, 0
RGB Percent	29%, 46%, 0%
CMY	0.7080, 0.5354, 1.0000
CMYK	0.37, 0.00, 1.00, 0.54
HSL	82°, 100%, 23%
HSV	82°, 100%, 46%
XYZ	9.3899, 14.5417, 2.2903
YIQ	91.3920, 11.6540, -46.0260

Conversions

Conversions Part 2

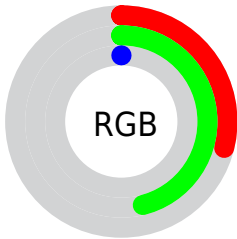
Format	Color
RYB	0, 118, 44
Decimal	4879872
CIELab	45.00, -31.79, 49.96
CIELCh	45, 59.220, 122.467
Yxy	14.5417, 0.3581, 0.5546
Android (android.graphics.Color)	4283069952 (0xFF4A7600)
YUV	91.3920, -45.0563, -15.2528
Hunter-Lab	38.1336, -22.7807, 23.1326

Details

The CIELCh color **45, 59.220, 122.467** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **15, 72.385, 309.785**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 58.725, 122.578**, and **25, 44.085, 132.104** is the 20% darker color. If you saturate the color by 10%, you get **45, 59.065, 122.537**, and if you desaturate by 10%, it is **45, 56.026, 121.930**.

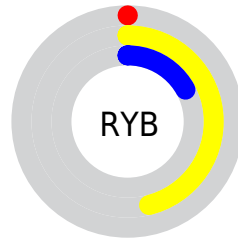
Distribution



Red (29%)

Green (46%)

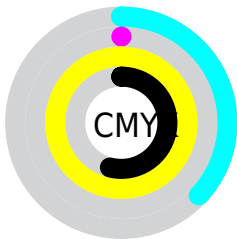
Blue (0%)



Red (0%)

Yellow (46%)

Blue (17%)

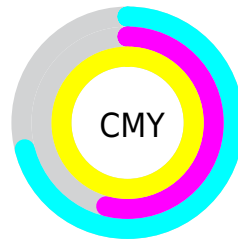


Cyan (37%)

Magenta (0%)

Yellow (100%)

Black (54%)



Cyan (71%)


Magenta (54%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 59.220, 122.467 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, 59.220, 122.467 by changing the saturation by 10% instead.


 45, 59.220,
122.467


 45, 59.220,
122.467


 100, 59.220,
122.467


 35, 59.220,
122.467

 65, 59.220,
122.467


 25, 59.220,
122.467

 75, 59.220,
122.467

 15, 59.220,
122.467

 85, 59.220,
122.467

 5, 59.220, 122.467

 95, 59.220,
122.467

 0, 59.220, 122.467

 45, 59.220,

 45, 59.220,

122.467

122.467

■ 45, 59.065,
122.537

■ 45, 56.026,
121.930

■ 46, 52.227,
121.514

■ 46, 47.293,
121.457

■ 46, 41.511,
121.655

■ 47, 35.147,
122.014

■ 47, 28.407,
122.466

■ 48, 21.436,
122.964

■ 48, 14.334,
123.476

Harmonies

Complementary

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



45, 59.220, 122.467



15, 72.385, 309.785

Rectangle

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



45, 59.220, 122.467



45, 59.220, 172.467



45, 59.220, 302.467



45, 59.220, 352.467

Sweetspot

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



45, 59.065, 122.537



61, 26.420, 122.927



28, 50.557, 52.104



31, 17.887, 122.761



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, 59.065, 122.537



57, 71.287, 122.920



43, 67.059, 135.019



24, 4.002, 124.032



46, 60.483, 122.590



90, 103.210, 123.450

Inverse Universe

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



15, 72.385, 309.785



21, 87.372, 309.530



24, 66.216, 323.297



22, 4.066, 304.906



15, 74.124, 309.749



36, 126.501, 309.189

Previews

White Background



This preview shows how the CIELCh color 45, 59.220, 122.467 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, 59.220, 122.467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

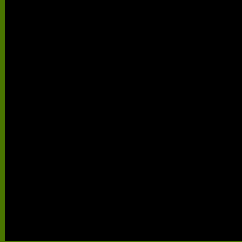
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 59.220, 122.467

Background



This preview shows how black text looks on a background with the CIELCh color 45, 59.220, 122.467.



This preview shows how white text looks on a background with the CIELCh color 45, 59.220, 122.467.

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, 58.915, 122.586

Protanopia

45, 51.320, 95.055

Deuteranopia

45, 46.064, 82.867



Tritanopia
45, 9.960, 231.420

Trichromacy



Original Color
45, 58.915, 122.586

Protanomaly
45, 52.683, 107.086

Deuteranomaly
44, 47.625, 100.376

Tritanomaly
44, 25.560, 138.200

Monochromacy



Original Color
45, 58.915, 122.586

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 26.440, 122.418

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 59.220, 122.467 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, 118, 0)` looks like.

```
.text, #text, p{  
    color:rgb(74, 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(74, 118, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 118, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 59.220, 122.467 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, 118, 0) }
```

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

```
.border{ border-color:rgb(74, 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(74, 118, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 118, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 118, 0);  
box-shadow:4px 4px 4px 4px rgb(74, 118, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 59.220, 122.467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 118, 0) }
```

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

```
.background{ background-color: rgb(74, 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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