

Converting Colors

CIELCh(30, 59.420, 118.608)

Have a look what the booklet for
CIELCh(30, 59.420, 118.608)
contains.

CIELCh(30, 45.702, 124.828)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	19
<i>Color Blindness Simulation</i>	22
<i>CSS Examples</i>	25

Color

CIELCh(30, 45.702, 124.828)

Conversions

Conversions Part 1

Format	Color
Hex	2C5000
RGB	44, 80, 0
RGB Percent	17%, 31%, 0%
CMY	0.8283, 0.6871, 1.0000
CMYK	0.45, 0.00, 1.00, 0.69
HSL	87°, 100%, 16%
HSV	87°, 100%, 31%
XYZ	3.8809, 6.2359, 0.9937
YIQ	60.1160, 4.2240, -32.5120

Conversions

Conversions Part 2

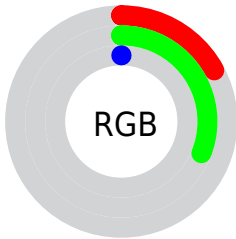
Format	Color
RYB	0, 80, 36
Decimal	2904064
CIELab	30.00, -26.10, 37.52
CIELCh	30, 45.702, 124.828
Yxy	6.2359, 0.3493, 0.5613
Android (android.graphics.Color)	4281094144 (0xFF2C5000)
YUV	60.1160, -29.6372, -14.1337
Hunter-Lab	24.9718, -15.9594, 15.1210

Details

The CIELCh color **30, 45.702, 124.828** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **9, 53.743, 311.851**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 45.779, 125.104**, and **11, 26.856, 143.520** is the 20% darker color. If you saturate the color by 10%, you get **30, 45.635, 124.871**, and if you desaturate by 10%, it is **30, 42.356, 124.809**.

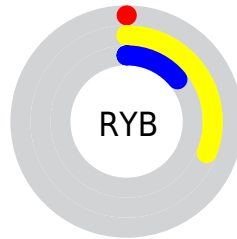
Distribution



Red (17%)

Green (31%)

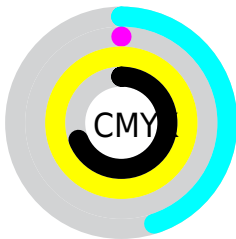
Blue (0%)



Red (0%)

Yellow (31%)

Blue (14%)

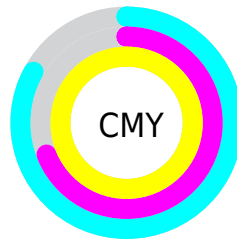


Cyan (45%)

Magenta (0%)

Yellow (100%)

Black (69%)



Cyan (83%)


Magenta (69%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 45.702, 124.828 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 30, 45.702, 124.828 by changing the saturation by 10% instead.


 30, 45.702,
124.828


 30, 45.702,
124.828

 100, 45.702,
124.828


 20, 45.702,
124.828


 50, 45.702,
124.828


 10, 45.702,
124.828

 60, 45.702,
124.828

 0, 45.702, 124.828

 70, 45.702,
124.828

 80, 45.702,
124.828

 90, 45.702,
124.828

■ 30, 45.702,
124.828

■ 30, 45.702,
124.828

■ 30, 45.635,
124.871

■ 30, 42.356,
124.809

■ 31, 39.090,
124.569

■ 31, 35.160,
124.599

■ 31, 30.718,
124.829

■ 32, 25.926,
125.181

■ 32, 20.907,
125.600

■ 32, 15.751,
126.047

■ 33, 10.519,

126.499

■ 33, 5.256, 126.943

Harmonies

Complementary

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



30, 45.702, 124.828



9, 53.743, 311.851

Rectangle

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



30, 45.702, 124.828



30, 45.702, 174.828



30, 45.702, 304.828



30, 45.702, 354.828

Sweetspot

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



30, 45.635, 124.871



42, 19.688, 125.998



20, 34.260, 57.924



21, 13.529, 125.887



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



30, 45.635, 124.871



39, 55.320, 125.466



29, 51.183, 135.474



16, 2.992, 126.998



83, 100.192, 126.583

Inverse Universe

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



9, 53.743, 311.851



13, 65.077, 311.442



16, 49.868, 326.436



15, 3.032, 307.711



36, 117.606, 310.686

Previews

White Background



This preview shows how the CIE LCh color 30, 45.702, 124.828 looks on a white background.

Color Contrast Check

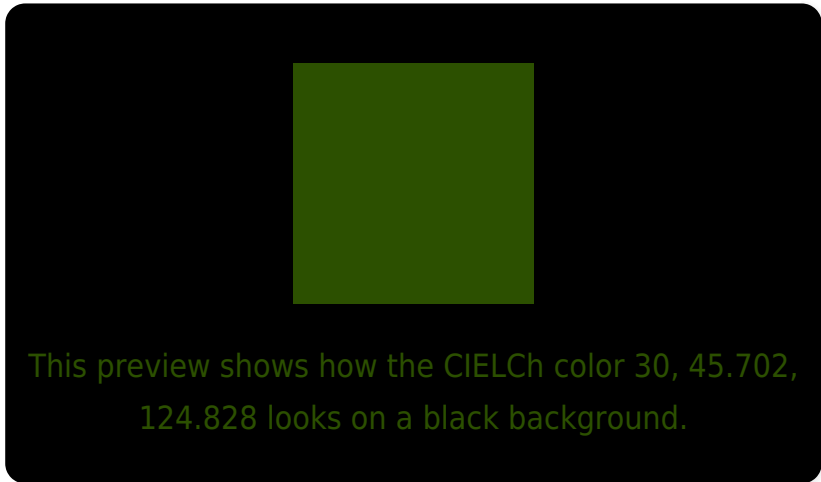
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30, 45.702, 124.828

Background



This preview shows how black text looks on a background with the CIELCh color 30, 45.702, 124.828.



This preview shows how white text looks on a background with the CIELCh color 30, 45.702, 124.828.

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

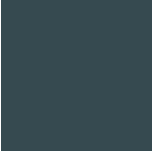
30, 45.702, 124.828

Protanopia

30, 38.862, 95.772

Deuteranopia

30, 32.941, 83.268



Tritanopia
30, 8.636, 224.952

Trichromacy



Original Color
30, 45.702, 124.828

Protanomaly
30, 39.852, 108.100

Deuteranomaly
30, 35.092, 102.681

Tritanomaly
30, 19.742, 143.294

Monochromacy



Original Color
30, 45.702, 124.828

Achromatopsia
25, 0.004, 296.813

Achromatomaly
27, 19.522, 125.395

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 45.702, 124.828 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(44, 80, 0)` looks like.

```
.text, #text, p{  
    color:rgb(44, 80, 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(44, 80, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 80, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 45.702, 124.828 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(44, 80, 0) }
```

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

```
.border{ border-color:rgb(44, 80, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 80, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 80, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(44, 80, 0); box-shadow:4px  
4px 4px 4px rgb(44, 80, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 45.702, 124.828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 80, 0) }
```

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

```
.background{ background-color: rgb(44, 80,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor