

Converting Colors

CIELCh(45, 51.459, 124.523)

Have a look what the booklet for
CIELCh(45, 51.459, 124.523)
contains.

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Color

CIELCh(45, 51.513, 124.727)

Conversions

Conversions Part 1

Format	Color
Hex	4D761C
RGB	77, 118, 28
RGB Percent	30%, 46%, 11%
CMY	0.6991, 0.5383, 0.8913
CMYK	0.35, 0.00, 0.76, 0.54
HSL	87°, 62%, 29%
HSV	87°, 76%, 46%
XYZ	9.6910, 14.5417, 3.3766
YIQ	95.4810, 4.4540, -36.6820

Conversions

Conversions Part 2

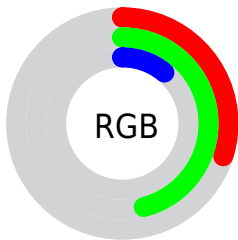
Format	Color
R_{YB}	28, 118, 69
Decimal	5076508
CIE _{Lab}	45.00, -29.35, 42.34
CIE _{LCh}	45, 51.513, 124.727
Yxy	14.5417, 0.3510, 0.5267
Android (android.graphics.Color)	4283266588 (0xFF4D761C)
YUV	95.4810, -33.2681, -16.2078
Hunter-Lab	38.1336, -21.3712, 21.4436

Details

The CIELCh color **45, 51.513, 124.727** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **21, 58.435, 311.333**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 51.162, 124.857**, and **25, 42.949, 129.698** is the 20% darker color. If you saturate the color by 10%, you get **45, 55.908, 125.026**, and if you desaturate by 10%, it is **45, 46.094, 124.758**.

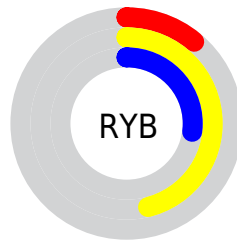
Distribution



Red (30%)

Green (46%)

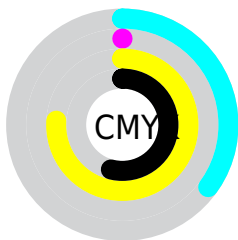
Blue (11%)



Red (11%)

Yellow (46%)

Blue (27%)

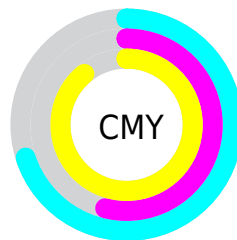


Cyan (35%)

Magenta (0%)

Yellow (76%)

Black (54%)



Cyan (70%)


Magenta (54%)


Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 51.513, 124.727 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, 51.513, 124.727 by changing the saturation by 10% instead.


 45, 51.513,
124.727


 45, 51.513,
124.727


 100, 51.513,
124.727


 35, 51.513,
124.727


 65, 51.513,
124.727


 25, 51.513,
124.727

 75, 51.513,
124.727

 15, 51.513,
124.727

 85, 51.513,
124.727

 5, 51.513, 124.727

 95, 51.513,
124.727

 0, 51.513, 124.727

 45, 51.513,

 45, 51.513,

124.727

124.727

■ 45, 55.908,
125.026

■ 45, 46.094,
124.758

■ 44, 59.228,
125.656

■ 46, 39.936,
125.006

■ 44, 60.383,
125.841

■ 46, 33.287,
125.384

■ 47, 26.326,
125.829

■ 48, 19.183,
126.301

■ 48, 11.947,
126.773

■ 49, 4.682, 127.236

■ 50, 2.569, 307.621

Harmonies

Complementary

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



45, 51.513, 124.727



21, 58.435, 311.333

Rectangle

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



45, 51.513, 124.727



45, 51.513, 174.727



45, 51.513, 304.727



45, 51.513, 354.727

Sweetspot

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



45, 51.513, 124.728



61, 20.678, 126.438



34, 37.083, 61.483



31, 14.219, 126.300



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, 51.513, 124.728



57, 70.698, 125.555



43, 58.709, 137.142



24, 4.070, 127.117



46, 62.126, 125.909



89, 106.180, 126.805

Inverse Universe

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



21, 58.435, 311.333



24, 82.217, 311.336



28, 57.914, 326.209



23, 4.126, 307.892



17, 72.883, 311.331



39, 124.330, 310.726

Previews

White Background



This preview shows how the CIELCh color 45, 51.513, 124.727 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, 51.513, 124.727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

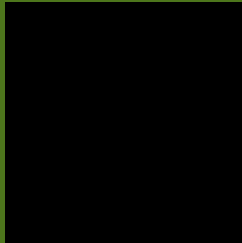
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 51.513, 124.727

Background



This preview shows how black text looks on a background with the CIELCh color 45, 51.513, 124.727.



This preview shows how white text looks on a background with the CIELCh color 45, 51.513, 124.727.

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, 51.513, 124.727

Protanopia
45, 44.399, 95.515

Deuteranopia
45, 41.077, 81.891



Tritanopia
45, 9.381, 233.776

Trichromacy



Original Color
45, 51.513, 124.727

Protanomaly
44, 45.232, 107.464

Deuteranomaly
44, 41.571, 100.152

Tritanomaly
45, 19.907, 143.842

Monochromacy



Original Color
45, 51.513, 124.727

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 20.216, 126.588

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 51.513, 124.727 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(77, 118, 28)` looks like.

```
.text, #text, p{  
    color:rgb(77, 118, 28)  
}
```

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(77, 118, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 118, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 51.513, 124.727 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(77, 118, 28) }
```

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

```
.border{ border-color:rgb(77, 118, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 118, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 118, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 118, 28);  
box-shadow:4px 4px 4px 4px rgb(77, 118,  
28) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 51.513, 124.727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 118, 28) }
```

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

```
.background{ background-color: rgb(77, 118,  
28) }
```

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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