

Converting Colors

CIELCh(45, 54.674, 120.864)

Have a look what the booklet for
CIELCh(45, 54.674, 120.864)
contains.

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Color

CIELCh(45, 54.508, 120.876)

Conversions

Conversions Part 1

Format	Color
Hex	51750E
RGB	81, 117, 14
RGB Percent	32%, 46%, 5%
CMY	0.6818, 0.5406, 0.9443
CMYK	0.31, 0.00, 0.88, 0.54
HSL	81°, 78%, 26%
HSV	81°, 88%, 46%
XYZ	9.8628, 14.5417, 2.7094
YIQ	94.4940, 11.6070, -39.6650

Conversions

Conversions Part 2

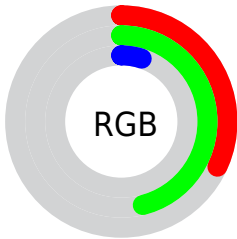
Format	Color
R_{YB}	14, 117, 50
Decimal	5338382
CIE Lab	45.00, -27.97, 46.78
CIE LCh	45, 54.508, 120.876
Yxy	14.5417, 0.3638, 0.5363
Android (android.graphics.Color)	4283528462 (0xFF51750E)
YUV	94.4940, -39.6835, -11.8342
Hunter-Lab	38.1336, -20.5667, 22.4810

Details

The CIELCh color **45, 54.508, 120.876** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **17, 65.832, 309.171**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 54.347, 120.749**, and **25, 41.873, 128.299** is the 20% darker color. If you saturate the color by 10%, you get **45, 57.533, 121.469**, and if you desaturate by 10%, it is **45, 50.520, 120.567**.

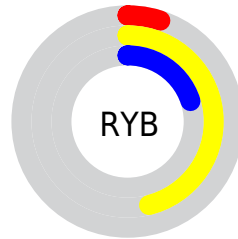
Distribution



Red (32%)

Green (46%)

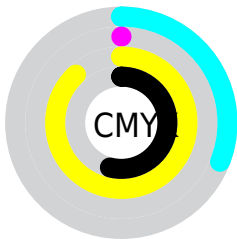
Blue (5%)



Red (5%)

Yellow (46%)

Blue (20%)

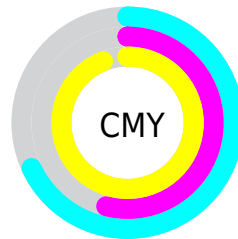


Cyan (31%)

Magenta (0%)

Yellow (88%)

Black (54%)



Cyan (68%)


Magenta (54%)


Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 54.508, 120.876 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, 54.508, 120.876 by changing the saturation by 10% instead.


 45, 54.508,
120.876


 45, 54.508,
120.876


 100, 54.508,
120.876


 35, 54.508,
120.876

 65, 54.508,
120.876


 25, 54.508,
120.876

 75, 54.508,
120.876

 15, 54.508,
120.876

 85, 54.508,
120.876

 5, 54.508, 120.876

 95, 54.508,
120.876

 0, 54.508, 120.876

 45, 54.508,

 45, 54.508,

120.876

■ 45, 57.533,
121.469

■ 45, 58.183,
121.574

120.876

■ 45, 50.520,
120.567

■ 46, 45.466,
120.588

■ 46, 39.633,
120.840

■ 47, 33.272,
121.235

■ 47, 26.572,
121.712

■ 48, 19.666,
122.226

■ 48, 12.646,
122.752

■ 49, 5.573, 123.271

Harmonies

Complementary

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



45, 54.508, 120.876



17, 65.832, 309.171

Rectangle

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



45, 54.508, 120.876



45, 54.508, 170.876



45, 54.508, 300.876



45, 54.508, 350.876

Sweetspot

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



45, 54.508, 120.877



61, 22.837, 122.290



29, 44.636, 50.837



31, 15.372, 122.150



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, 54.508, 120.877



58, 70.791, 121.966



43, 62.241, 134.873



24, 3.986, 123.212



47, 60.073, 121.645



90, 102.462, 122.484

Inverse Universe

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



17, 65.832, 309.171



20, 87.739, 309.178



25, 62.344, 322.365



22, 4.052, 304.117



15, 74.435, 309.390



36, 127.033, 308.847

Previews

White Background



This preview shows how the CIELCh color 45, 54.508, 120.876 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, 54.508, 120.876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

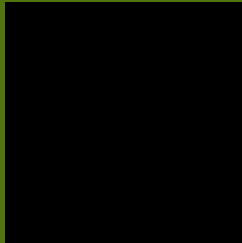
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 54.508, 120.876

Background



This preview shows how black text looks on a background with the CIELCh color 45, 54.508, 120.876.



This preview shows how white text looks on a background with the CIELCh color 45, 54.508, 120.876.

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](#).

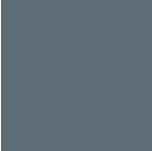
Dichromacy



Original Color
45, 54.508, 120.876

Protanopia
45, 48.997, 95.025

Deuteranopia
45, 44.971, 82.543



Tritanopia
45, 8.265, 239.570

Trichromacy



Original Color
45, 54.508, 120.876

Protanomaly
45, 49.498, 105.467

Deuteranomaly
45, 45.554, 98.689

Tritanomaly
45, 21.558, 135.965

Monochromacy



Original Color
45, 54.508, 120.876

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 22.716, 121.901

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 54.508, 120.876 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(81, 117, 14)` looks like.

```
.text, #text, p{  
    color:rgb(81, 117, 14)  
}
```

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(81, 117, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 117, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 54.508, 120.876 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(81, 117, 14) }
```

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

```
.border{ border-color:rgb(81, 117, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 117, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 117, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 117, 14);  
box-shadow:4px 4px 4px 4px rgb(81, 117,  
14) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 54.508, 120.876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 117, 14) }
```

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

```
.background{ background-color: rgb(81, 117,  
14) }
```

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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