

Converting Colors

CIELCh(45, 52.502, 117.353)

Have a look what the booklet for
CIELCh(45, 52.502, 117.353)
contains.

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Color

CIELCh(45, 52.826, 117.595)

Conversions

Conversions Part 1

Format	Color
Hex	58740F
RGB	88, 116, 15
RGB Percent	35%, 45%, 6%
CMY	0.6557, 0.5459, 0.9423
CMYK	0.24, 0.00, 0.87, 0.55
HSL	77°, 77%, 26%
HSV	77°, 87%, 45%
XYZ	10.3105, 14.5417, 2.7047
YIQ	96.1140, 15.7330, -37.3470

Conversions

Conversions Part 2

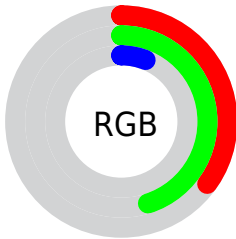
Format	Color
RYB	15, 116, 43
Decimal	5796879
CIELab	45.00, -24.47, 46.82
CIElCh	45, 52.826, 117.595
Yxy	14.5417, 0.3742, 0.5277
Android (android.graphics.Color)	4283986959 (0xFF58740F)
YUV	96.1140, -39.9892, -7.1160
Hunter-Lab	38.1336, -18.4711, 22.4883

Details

The CIELCh color **45, 52.826, 117.595** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **16, 65.521, 307.802**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 52.585, 117.638**, and **25, 40.454, 124.337** is the 20% darker color. If you saturate the color by 10%, you get **45, 55.705, 118.078**, and if you desaturate by 10%, it is **45, 48.947, 117.397**.

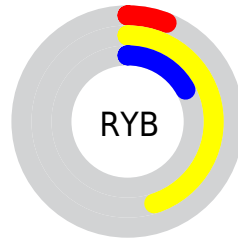
Distribution



Red (35%)

Green (45%)

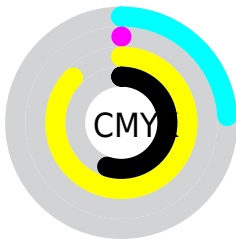
Blue (6%)



Red (6%)

Yellow (45%)

Blue (17%)

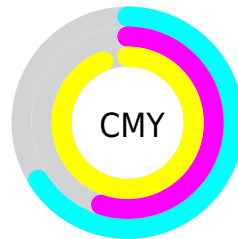


Cyan (24%)

Magenta (0%)

Yellow (87%)

Black (55%)



Cyan (66%)


Magenta (55%)


Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 52.826, 117.595 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, 52.826, 117.595 by changing the saturation by 10% instead.


 45, 52.826,
117.595


 45, 52.826,
117.595


 100, 52.826,
117.595


 35, 52.826,
117.595

 65, 52.826,
117.595


 25, 52.826,
117.595

 75, 52.826,
117.595

 15, 52.826,
117.595

 85, 52.826,
117.595

 5, 52.826, 117.595

 95, 52.826,
117.595

 0, 52.826, 117.595

 45, 52.826,

 45, 52.826,

117.595

■ 45, 55.705,
118.078

■ 45, 56.492,
118.190

117.595

■ 45, 48.947,
117.397

■ 46, 44.019,
117.504

■ 46, 38.326,
117.823

■ 46, 32.118,
118.277

■ 47, 25.577,
118.809

■ 47, 18.831,
119.379

■ 48, 11.969,
119.960

■ 48, 5.049, 120.536

Harmonies

Complementary

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



45, 52.826, 117.595



16, 65.521, 307.802

Rectangle

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



45, 52.826, 117.595



45, 52.826, 167.595



45, 52.826, 297.595



45, 52.826, 347.595

Sweetspot

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



45, 52.826, 117.597



60, 22.239, 119.415



28, 45.321, 46.443



31, 15.174, 119.258



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, 52.826, 117.597



57, 68.396, 118.533



43, 60.579, 133.720



24, 3.941, 120.436



47, 58.805, 118.269



91, 100.127, 119.011

Inverse Universe

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



16, 65.521, 307.802



19, 87.771, 308.181



23, 61.856, 320.209



22, 4.011, 301.463



14, 75.402, 308.355



34, 128.647, 307.884

Previews

White Background



This preview shows how the CIELCh color 45, 52.826, 117.595 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, 52.826, 117.595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

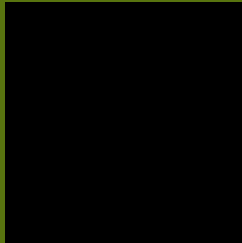
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 52.826, 117.595

Background



This preview shows how black text looks on a background with the CIELCh color 45, 52.826, 117.595.



This preview shows how white text looks on a background with the CIELCh color 45, 52.826, 117.595.

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, 52.826, 117.595

Protanopia
45, 48.820, 95.660

Deuteranopia
45, 45.344, 82.656



Tritanopia
45, 6.075, 251.105

Trichromacy



Original Color
45, 52.826, 117.595

Protanomaly
45, 49.221, 104.379

Deuteranomaly
44, 45.674, 96.784

Tritanomaly
45, 20.279, 128.909

Monochromacy



Original Color
45, 52.826, 117.595

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 22.381, 118.631

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 52.826, 117.595 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(88, 116, 15)` looks like.

```
.text, #text, p{  
    color:rgb(88, 116, 15)  
}
```

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(88, 116, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 116, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 52.826, 117.595 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(88, 116, 15) }
```

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

```
.border{ border-color:rgb(88, 116, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 116, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 116, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 116, 15);  
box-shadow:4px 4px 4px 4px rgb(88, 116,  
15) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 52.826, 117.595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 116, 15) }
```

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

```
.background{ background-color: rgb(88, 116,  
15) }
```

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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