

Converting Colors

CIELCh(45, 43.727, 118.397)

Have a look what the booklet for
CIELCh(45, 43.727, 118.397)
contains.

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Color

CIELCh(45, 43.792, 118.452)

Conversions

Conversions Part 1

Format	Color
Hex	5C7326
RGB	92, 115, 38
RGB Percent	36%, 45%, 15%
CMY	0.6411, 0.5509, 0.8528
CMYK	0.20, 0.00, 0.67, 0.55
HSL	78°, 51%, 30%
HSV	78°, 67%, 45%
XYZ	10.7854, 14.5417, 4.0333
YIQ	99.3450, 11.0090, -28.8230

Conversions

Conversions Part 2

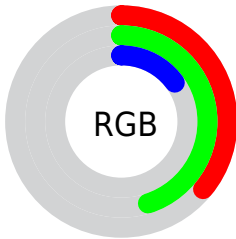
Format	Color
R_{YB}	38, 115, 61
Decimal	6058790
CIE Lab	45.00, -20.86, 38.50
CIE LCh	45, 43.792, 118.452
Yxy	14.5417, 0.3673, 0.4953
Android (android.graphics.Color)	4284248870 (0xFF5C7326)
YUV	99.3450, -30.2431, -6.4416
Hunter-Lab	38.1336, -16.2481, 20.4226

Details

The CIELCh color $45, 43.792, 118.452$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $22, 50.930, 306.849$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 43.860, 118.604$, and $25, 39.054, 121.039$ is the 20% darker color. If you saturate the color by 10%, you get $45, 48.730, 118.367$, and if you desaturate by 10%, it is $45, 38.106, 118.755$.

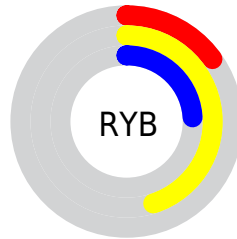
Distribution



Red (36%)

Green (45%)

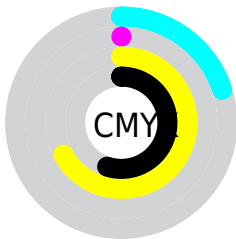
Blue (15%)



Red (15%)

Yellow (45%)

Blue (24%)

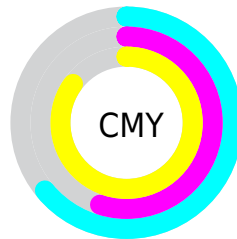


Cyan (20%)

Magenta (0%)

Yellow (67%)

Black (55%)



Cyan (64%)


Magenta (55%)


Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 43.792, 118.452 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, 43.792, 118.452 by changing the saturation by 10% instead.


 45, 43.792,
118.452


 45, 43.792,
118.452


 100, 43.792,
118.452


 35, 43.792,
118.452

 65, 43.792,
118.452


 25, 43.792,
118.452

 75, 43.792,
118.452

 15, 43.792,
118.452

 85, 43.792,
118.452

 5, 43.792, 118.452

 95, 43.792,
118.452

 0, 43.792, 118.452

 45, 43.792,

 45, 43.792,

118.452

■ 45, 48.730,
118.367

■ 44, 52.638,
118.590

■ 44, 55.565,
119.098

■ 44, 56.387,
119.217

118.452

■ 45, 38.106,
118.755

■ 46, 31.915,
119.192

■ 46, 25.399,
119.706

■ 47, 18.684,
120.257

■ 47, 11.856,
120.819

■ 48, 4.974, 121.376

■ 48, 1.921, 301.888

■ 49, 8.799, 302.409

■ 50, 15.638,

Harmonies

Complementary

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



45, 43.792, 118.452



22, 50.930, 306.849

Rectangle

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



45, 43.792, 118.452



45, 43.792, 168.452



45, 43.792, 298.452



45, 43.792, 348.452

Sweetspot

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



45, 43.793, 118.454



60, 16.965, 120.635



32, 32.680, 47.423



30, 11.493, 120.514



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



45, 43.793, 118.454



57, 61.518, 118.453



43, 50.011, 134.622



23, 3.809, 121.279



46, 58.270, 119.286



90, 100.012, 120.085

Inverse Universe

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



22, 50.930, 306.849



24, 74.834, 307.988



27, 51.152, 320.760



21, 3.875, 302.258



14, 73.979, 308.661



34, 127.191, 308.150

Previews

White Background



This preview shows how the CIELCh color 45, 43.792, 118.452 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, 43.792, 118.452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

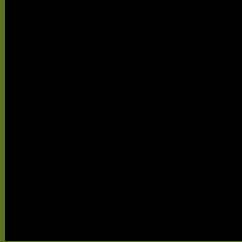
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 43.792, 118.452

Background



This preview shows how black text looks on a background with the CIELCh color 45, 43.792, 118.452.



This preview shows how white text looks on a background with the CIELCh color 45, 43.792, 118.452.

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, 43.792, 118.452

Protanopia

45, 40.271, 95.320

Deuteranopia

45, 37.661, 81.222



Tritanopia
45, 5.969, 263.711

Trichromacy



Original Color
45, 43.792, 118.452

Protanomaly
45, 40.567, 104.385

Deuteranomaly
45, 37.782, 96.603

Tritanomaly
45, 14.742, 130.444

Monochromacy



Original Color
45, 43.792, 118.452

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 17.113, 121.199

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 43.792, 118.452 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(92, 115, 38)` looks like.

```
.text, #text, p{  
    color:rgb(92, 115, 38)  
}
```

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(92, 115, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 115, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 43.792, 118.452 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(92, 115, 38) }
```

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

```
.border{ border-color:rgb(92, 115, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 115, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 115, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 115, 38);  
box-shadow:4px 4px 4px 4px rgb(92, 115,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 43.792, 118.452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 115, 38) }
```

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

```
.background{ background-color: rgb(92, 115,  
38) }
```

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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