

Converting Colors

CIELCh(45, 47.591, 121.925)

Have a look what the booklet for
CIELCh(45, 47.591, 121.925)
contains.

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Color

CIELCh(45, 47.485, 122.011)

Conversions

Conversions Part 1

Format	Color
Hex	547421
RGB	84, 116, 33
RGB Percent	33%, 45%, 13%
CMY	0.6698, 0.5443, 0.8698
CMYK	0.28, 0.00, 0.71, 0.54
HSL	83°, 56%, 29%
HSV	83°, 71%, 46%
XYZ	10.2199, 14.5417, 3.7218
YIQ	96.9700, 7.5710, -32.5970

Conversions

Conversions Part 2

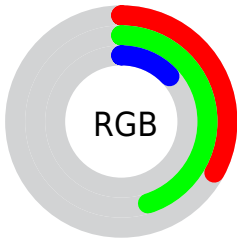
Format	Color
R_{YB}	33, 116, 65
Decimal	5534753
CIE _{Lab}	45.00, -25.17, 40.26
CIE _{LCh}	45, 47.485, 122.011
Yxy	14.5417, 0.3588, 0.5105
Android (android.graphics.Color)	4283724833 (0xFF547421)
YUV	96.9700, -31.5372, -11.3747
Hunter-Lab	38.1336, -18.8955, 20.9068

Details

The CIELCh color $45, 47.485, 122.011$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $22, 54.545, 309.331$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 47.240, 122.119$, and $25, 40.419, 125.672$ is the 20% darker color. If you saturate the color by 10%, you get $45, 52.244, 122.116$, and if you desaturate by 10%, it is $45, 41.858, 122.177$.

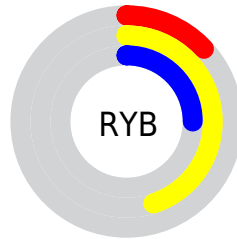
Distribution



Red (33%)

Green (45%)

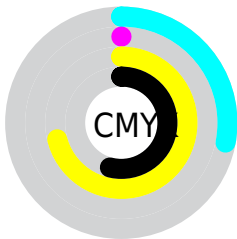
Blue (13%)



Red (13%)

Yellow (45%)

Blue (25%)

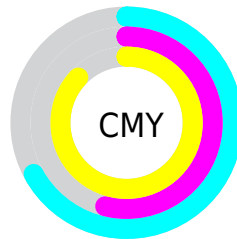


Cyan (28%)

Magenta (0%)

Yellow (71%)

Black (54%)



Cyan (67%)


Magenta (54%)


Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 47.485, 122.011 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, 47.485, 122.011 by changing the saturation by 10% instead.


 45, 47.485,
122.011


 45, 47.485,
122.011


 100, 47.485,
122.011


 35, 47.485,
122.011

 65, 47.485,
122.011


 25, 47.485,
122.011

 75, 47.485,
122.011

 15, 47.485,
122.011

 85, 47.485,
122.011

 5, 47.485, 122.011

 95, 47.485,
122.011

 0, 47.485, 122.011

 45, 47.485,

 45, 47.485,

122.011

122.011

■ 45, 52.244,
122.116

■ 45, 41.858,
122.177

■ 44, 55.858,
122.592

■ 46, 35.631,
122.513

■ 44, 58.493,
123.091

■ 46, 29.011,
122.949

■ 47, 22.150,
123.435

■ 47, 15.151,
123.937

■ 48, 8.085, 124.437

■ 49, 1.002, 124.961

■ 50, 6.061, 305.352

■ 50, 13.079,

Harmonies

Complementary

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



45, 47.485, 122.011



22, 54.545, 309.331

Rectangle

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



45, 47.485, 122.011



45, 47.485, 172.011



45, 47.485, 302.011



45, 47.485, 352.011

Sweetspot

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



45, 47.485, 122.012



61, 18.349, 123.932



33, 34.369, 55.986



31, 12.510, 123.824



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, 47.485, 122.012



57, 66.077, 122.390



43, 54.508, 136.448



24, 4.012, 124.554



46, 60.750, 123.179



89, 103.697, 124.049

Inverse Universe

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



22, 54.545, 309.331



24, 78.647, 309.904



28, 54.551, 323.976



22, 4.075, 305.409



16, 73.922, 309.990



37, 126.152, 309.420

Previews

White Background



This preview shows how the CIELCh color 45, 47.485, 122.011 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, 47.485, 122.011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

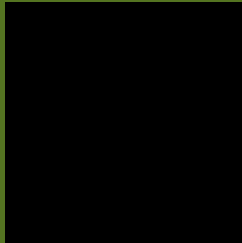
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 47.485, 122.011

Background



This preview shows how black text looks on a background with the CIELCh color 45, 47.485, 122.011.



This preview shows how white text looks on a background with the CIELCh color 45, 47.485, 122.011.

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

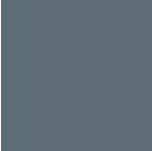
45, 47.485, 122.011

Protanopia

45, 42.010, 95.418

Deuteranopia

45, 39.060, 81.822



Tritanopia
45, 7.480, 245.119

Trichromacy



Original Color
45, 47.485, 122.011

Protanomaly
45, 42.790, 106.699

Deuteranomaly
45, 39.442, 98.847

Tritanomaly
45, 16.836, 139.899

Monochromacy



Original Color
45, 47.485, 122.011

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 18.639, 124.133

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 47.485, 122.011 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(84, 116, 33)` looks like.

```
.text, #text, p{  
    color:rgb(84, 116, 33)  
}
```

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(84, 116, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 116, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 47.485, 122.011 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(84, 116, 33) }
```

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

```
.border{ border-color:rgb(84, 116, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 116, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 116, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 116, 33);  
box-shadow:4px 4px 4px 4px rgb(84, 116,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 47.485, 122.011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 116, 33) }
```

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

```
.background{ background-color: rgb(84, 116,  
33) }
```

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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