

Converting Colors

CIELCh(45, 50.436, 105.999)

Have a look what the booklet for
CIELCh(45, 50.436, 105.999)
contains.

CIELCh(45, 50.341, 105.913)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(45, 50.341, 105.913)

Conversions

Conversions Part 1

Format	Color
Hex	6A6F0B
RGB	106, 111, 11
RGB Percent	42%, 44%, 4%
CMY	0.5831, 0.5635, 0.9588
CMYK	0.04, 0.00, 0.91, 0.56
HSL	63°, 83%, 24%
HSV	63°, 91%, 44%
XYZ	11.7571, 14.5417, 2.4889
YIQ	98.1050, 29.1200, -32.1600

Conversions

Conversions Part 2

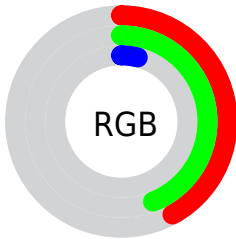
Format	Color
R_{YB}	11, 111, 16
Decimal	6975243
CIE Lab	45.00, -13.80, 48.41
CIE LCh	45, 50.341, 105.913
Yxy	14.5417, 0.4084, 0.5051
Android (android.graphics.Color)	4285165323 (0xFF6A6F0B)
YUV	98.1050, -42.9428, 6.9239
Hunter-Lab	38.1336, -11.6999, 22.8238

Details

The CIELCh color **45, 50.341, 105.913** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **13, 66.883, 305.194**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 49.913, 105.841**, and **25, 35.954, 110.645** is the 20% darker color. If you saturate the color by 10%, you get **45, 52.692, 105.768**, and if you desaturate by 10%, it is **45, 47.249, 106.169**.

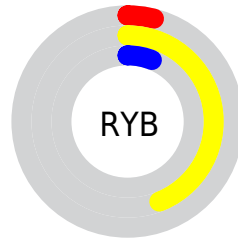
Distribution



Red (42%)

Green (44%)

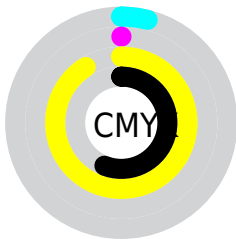
Blue (4%)



Red (4%)

Yellow (44%)

Blue (6%)

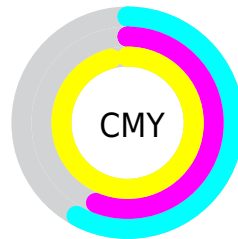


Cyan (4%)

Magenta (0%)

Yellow (91%)

Black (56%)



Cyan (58%)


Magenta (56%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 50.341, 105.913 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, 50.341, 105.913 by changing the saturation by 10% instead.


 45, 50.341,
105.913


 45, 50.341,
105.913


 100, 50.341,
105.913


 35, 50.341,
105.913

 65, 50.341,
105.913


 25, 50.341,
105.913

 75, 50.341,
105.913

 15, 50.341,
105.913

 85, 50.341,
105.913

 5, 50.341, 105.913

 95, 50.341,
105.913

 0, 50.341, 105.913

 45, 50.341,

 45, 50.341,

105.913

■ 45, 52.692,
105.768

105.913

■ 45, 47.249,
106.169

■ 45, 43.026,
106.621

■ 45, 37.948,
107.227

■ 46, 32.278,
107.940

■ 46, 26.221,
108.725

■ 46, 19.919,
109.550

■ 46, 13.469,
110.394

■ 47, 6.936, 111.238

Harmonies

Complementary

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



45, 50.341, 105.913



13, 66.883, 305.194

Rectangle

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



45, 50.341, 105.913



45, 50.341, 155.913



45, 50.341, 285.913



45, 50.341, 335.913

Sweetspot

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



45, 50.341, 105.915



59, 21.943, 109.788



23, 50.287, 36.288



31, 14.878, 109.573



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, 50.341, 105.915



58, 63.867, 105.846



42, 56.247, 127.906



23, 3.720, 111.368



48, 55.548, 105.792



94, 94.887, 105.958

Inverse Universe

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



13, 66.883, 305.194



16, 87.746, 306.482



18, 62.860, 313.335



21, 3.795, 292.926



12, 76.262, 306.531



31, 130.543, 306.389

Previews

White Background



This preview shows how the CIELCh color 45, 50.341, 105.913 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, 50.341, 105.913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

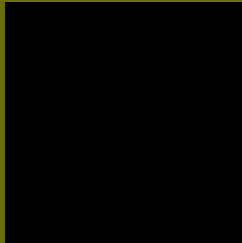
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 50.341, 105.913

Background



This preview shows how black text looks on a background with the CIELCh color 45, 50.341, 105.913.



This preview shows how white text looks on a background with the CIELCh color 45, 50.341, 105.913.

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, 50.122, 105.953

Protanopia

45, 49.726, 95.666

Deuteranopia

45, 47.079, 83.150



Tritanopia
45, 7.026, 330.433

Trichromacy



Original Color
45, 50.122, 105.953

Protanomaly
45, 49.854, 99.732

Deuteranomaly
45, 47.292, 91.936

Tritanomaly
45, 18.454, 100.452

Monochromacy



Original Color
45, 50.122, 105.953

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 21.891, 109.335

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 50.341, 105.913 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(106, 111, 11)` looks like.

```
.text, #text, p{  
    color:rgb(106, 111, 11)  
}
```

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(106, 111, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 111, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 50.341, 105.913 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(106, 111, 11) }
```

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

```
.border{ border-color:rgb(106, 111, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 111, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 111, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 111, 11);  
box-shadow:4px 4px 4px 4px rgb(106, 111,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 50.341, 105.913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 111, 11) }
```

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

```
.background{ background-color: rgb(106,  
111, 11) }
```

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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