

Converting Colors

CIELCh(45, 52.999, 105.876)

Have a look what the booklet for
CIELCh(45, 52.999, 105.876)
contains.

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Color

CIELCh(45, 52.941, 106.012)

Conversions

Conversions Part 1

Format	Color
Hex	6A7000
RGB	106, 112, 0
RGB Percent	42%, 44%, 0%
CMY	0.5859, 0.5623, 1.0000
CMYK	0.05, 0.00, 1.00, 0.56
HSL	63°, 100%, 22%
HSV	63°, 100%, 44%
XYZ	11.6441, 14.5417, 2.1773
YIQ	97.4380, 32.3760, -36.1040

Conversions

Conversions Part 2

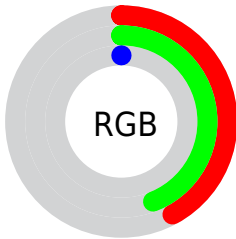
Format	Color
RYB	0, 112, 6
Decimal	6975488
CIELab	45.00, -14.60, 50.89
CIELCh	45, 52.941, 106.012
Yxy	14.5417, 0.4105, 0.5127
Android (android.graphics.Color)	4285165568 (0xFF6A7000)
YUV	97.4380, -48.0369, 7.5089
Hunter-Lab	38.1336, -12.2289, 23.3083

Details

The CIELCh color **45, 52.941, 106.012** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **11, 72.435, 306.576**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 53.004, 106.472**, and **25, 35.954, 110.645** is the 20% darker color. If you saturate the color by 10%, you get **45, 52.814, 106.038**, and if you desaturate by 10%, it is **45, 50.323, 106.176**.

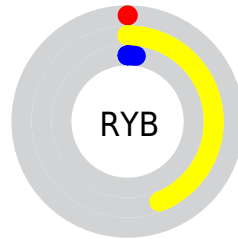
Distribution



Red (42%)

Green (44%)

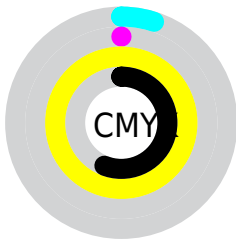
Blue (0%)



Red (0%)

Yellow (44%)

Blue (2%)

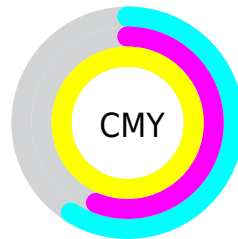


Cyan (5%)

Magenta (0%)

Yellow (100%)

Black (56%)



Cyan (59%)


Magenta (56%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 52.941, 106.012 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, 52.941, 106.012 by changing the saturation by 10% instead.


 45, 52.941,
106.012


 45, 52.941,
106.012


 100, 52.941,
106.012


 35, 52.941,
106.012

 65, 52.941,
106.012


 25, 52.941,
106.012

 75, 52.941,
106.012

 15, 52.941,
106.012

 85, 52.941,
106.012

 5, 52.941, 106.012

 95, 52.941,
106.012

 0, 52.941, 106.012

 45, 52.941,

 45, 52.941,

106.012

106.012

■ 45, 52.814,
106.038

■ 45, 50.323,
106.176

■ 45, 47.156,
106.428

■ 45, 42.868,
106.879

■ 45, 37.738,
107.483

■ 46, 32.028,
108.194

■ 46, 25.939,
108.975

■ 46, 19.611,
109.796

■ 46, 13.139,
110.634

Harmonies

Complementary

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



45, 52.941, 106.012



11, 72.435, 306.576

Rectangle

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



45, 52.941, 106.012



45, 52.941, 156.012



45, 52.941, 286.012



45, 52.941, 336.012

Sweetspot

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



45, 52.814, 106.038



59, 24.339, 109.729



22, 53.870, 38.263



31, 16.696, 109.459



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, 52.814, 106.038



58, 63.888, 106.122



42, 59.817, 128.868



23, 3.720, 111.554



48, 55.566, 106.062



94, 94.920, 106.243

Inverse Universe

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



11, 72.435, 306.576



16, 87.720, 306.500



16, 66.853, 313.604



21, 3.796, 293.100



12, 76.234, 306.554



31, 130.520, 306.400

Previews

White Background



This preview shows how the CIELCh color 45, 52.941, 106.012 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 CIE LCh color 45, 52.941, 106.012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

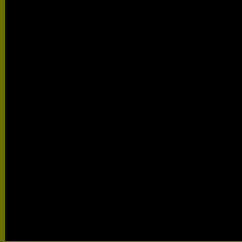
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 52.941, 106.012

Background



This preview shows how black text looks on a background with the CIELCh color 45, 52.941, 106.012.



This preview shows how white text looks on a background with the CIELCh color 45, 52.941, 106.012.

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](#).

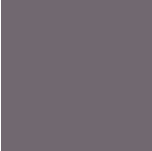
Dichromacy



Original Color
45, 52.941, 106.012

Protanopia
45, 51.581, 95.666

Deuteranopia
45, 47.710, 83.317



Tritanopia
45, 6.045, 328.018

Trichromacy



Original Color
45, 52.941, 106.012

Protanomaly
45, 51.905, 99.584

Deuteranomaly
45, 48.886, 92.066

Tritanomaly
45, 21.213, 103.409

Monochromacy



Original Color
45, 52.941, 106.012

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 23.636, 108.891

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 52.941, 106.012 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, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(106, 112, 0)  
}
```

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, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 112, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 52.941, 106.012 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, 112, 0) }
```

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

```
.border{ border-color:rgb(106, 112, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 112, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(106, 112,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 52.941, 106.012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 112, 0) }
```

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

```
.background{ background-color: rgb(106,  
112, 0) }
```

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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