

Converting Colors

CIELCh(46, 52.019, 102.976)

Have a look what the booklet for
CIELCh(46, 52.019, 102.976)
contains.

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Color

CIELCh(46, 52.058, 102.995)

Conversions

Conversions Part 1

Format	Color
Hex	717105
RGB	113, 113, 5
RGB Percent	44%, 44%, 2%
CMY	0.5578, 0.5577, 0.9817
CMYK	0.00, 0.00, 0.96, 0.56
HSL	60°, 92%, 23%
HSV	60°, 96%, 44%
XYZ	12.6876, 15.2687, 2.4123
YIQ	100.6880, 34.6680, -33.5880

Conversions

Conversions Part 2

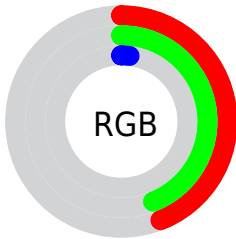
Format	Color
RYB	5, 113, 5
Decimal	7434501
CIELab	46.00, -11.71, 50.72
CIELCh	46, 52.058, 102.995
Yxy	15.2687, 0.4178, 0.5028
Android (android.graphics.Color)	4285624581 (0xFF717105)
YUV	100.6880, -47.1742, 10.7976
Hunter-Lab	39.0751, -10.4228, 23.6924

Details

The CIELCh color **46, 52.058, 102.995** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **11, 70.771, 305.638**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 52.118, 103.191**, and **26, 36.123, 106.363** is the 20% darker color. If you saturate the color by 10%, you get **46, 53.098, 102.863**, and if you desaturate by 10%, it is **46, 49.486, 103.333**.

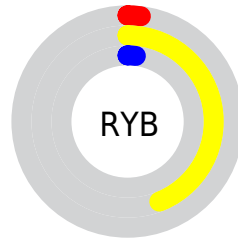
Distribution



Red (44%)

Green (44%)

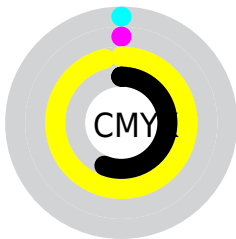
Blue (2%)



Red (2%)

Yellow (44%)

Blue (2%)

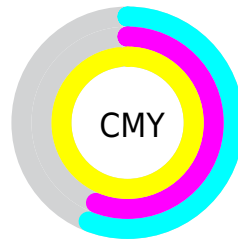


Cyan (0%)

Magenta (0%)

Yellow (96%)

Black (56%)



Cyan (56%)

Magenta (56%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 52.058, 102.995 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 46, 52.058, 102.995 by changing the saturation by 10% instead.


 46, 52.058,
102.995


 46, 52.058,
102.995


 100, 52.058,
102.995


 36, 52.058,
102.995

 66, 52.058,
102.995


 26, 52.058,
102.995

 76, 52.058,
102.995

 16, 52.058,
102.995

 86, 52.058,
102.995

 6, 52.058, 102.995

 96, 52.058,
102.995

 0, 52.058, 102.995

 46, 52.058,

 46, 52.058,

102.995

■ 46, 53.098,
102.863

102.995

■ 46, 49.486,
103.333

■ 46, 45.822,
103.819

■ 46, 41.131,
104.453

■ 46, 35.699,
105.201

■ 46, 29.769,
106.028

■ 47, 23.519,
106.907

■ 47, 17.074,
107.815

■ 47, 10.513,
108.733

Harmonies

Complementary

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



46, 52.058, 102.995



11, 70.771, 305.638

Rectangle

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



46, 52.058, 102.995



46, 52.058, 152.995



46, 52.058, 282.995



46, 52.058, 332.995

Sweetspot

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



46, 52.058, 102.997



60, 23.854, 107.457



22, 53.435, 36.515



31, 16.226, 107.158



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



46, 52.058, 102.997



59, 64.564, 102.863



42, 57.973, 127.130



23, 3.716, 109.361



49, 55.449, 102.863



95, 94.699, 102.863

Inverse Universe

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



11, 70.771, 305.638



16, 89.150, 306.288



17, 66.117, 312.401



21, 3.792, 291.062



12, 76.564, 306.288



31, 130.762, 306.288

Previews

White Background



This preview shows how the CIELCh color 46, 52.058, 102.995 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 46, 52.058, 102.995 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 46, 52.058, 102.995

Background



This preview shows how black text looks on a background with the CIELCh color 46, 52.058, 102.995.



This preview shows how white text looks on a background with the CIELCh color 46, 52.058, 102.995.

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


46, 52.058, 102.995

Protanopia

46, 52.318, 95.243

Deuteranopia

46, 49.119, 82.677



Tritanopia
46, 7.784, 342.840

Trichromacy



Original Color
46, 52.058, 102.995

Protanomaly
46, 51.892, 98.010

Deuteranomaly
46, 49.478, 90.532

Tritanomaly
46, 20.427, 95.692

Monochromacy



Original Color
46, 52.058, 102.995

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 23.516, 106.727

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 52.058, 102.995 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(113, 113, 5)` looks like.

```
.text, #text, p{  
    color:rgb(113, 113, 5)  
}
```

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(113, 113, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 113, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 52.058, 102.995 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(113, 113, 5) }
```

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

```
.border{ border-color:rgb(113, 113, 5) }
```

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

Here you see how a box with a 4 pixel rgb(113, 113, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 113, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 113, 5);  
box-shadow:4px 4px 4px 4px rgb(113, 113,  
5) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 52.058, 102.995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 113, 5) }
```

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

```
.background{ background-color: rgb(113,  
113, 5) }
```

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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