

Converting Colors

CIELCh(46, 53.632, 103.842)

Have a look what the booklet for
CIELCh(46, 53.632, 103.842)
contains.

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Color

CIELCh(46, 53.183, 103.902)

Conversions

Conversions Part 1

Format	Color
Hex	6F7100
RGB	111, 113, 0
RGB Percent	44%, 44%, 0%
CMY	0.5636, 0.5558, 0.9984
CMYK	0.02, 0.00, 1.00, 0.56
HSL	61°, 99%, 22%
HSV	61°, 100%, 44%
XYZ	12.5287, 15.2687, 2.2981
YIQ	99.5200, 35.0810, -35.5670

Conversions

Conversions Part 2

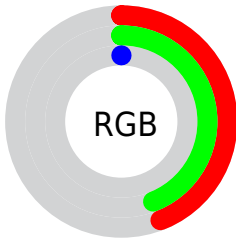
Format	Color
RYB	0, 113, 2
Decimal	7303424
CIELab	46.00, -12.78, 51.63
CIELCh	46, 53.183, 103.902
Yxy	15.2687, 0.4163, 0.5073
Android (android.graphics.Color)	4285493504 (0xFF6F7100)
YUV	99.5200, -49.0634, 10.0680
Hunter-Lab	39.0751, -11.1490, 23.8656

Details

The CIELCh color **46, 53.183, 103.902** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **11, 73.203, 306.323**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 53.402, 104.048**, and **26, 36.203, 108.039** is the 20% darker color. If you saturate the color by 10%, you get **46, 53.273, 103.895**, and if you desaturate by 10%, it is **46, 50.724, 104.160**.

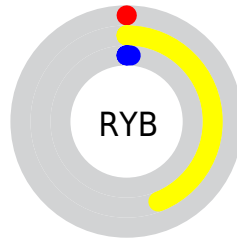
Distribution



Red (44%)

Green (44%)

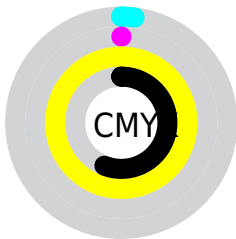
Blue (0%)



Red (0%)

Yellow (44%)

Blue (1%)

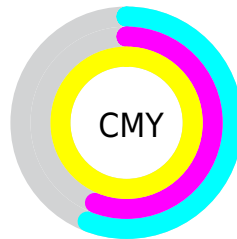


Cyan (2%)

Magenta (0%)

Yellow (100%)

Black (56%)



Cyan (56%)


Magenta (56%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 53.183, 103.902 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, 53.183, 103.902 by changing the saturation by 10% instead.


 46, 53.183,
103.902


 46, 53.183,
103.902


 100, 53.183,
103.902


 36, 53.183,
103.902

 66, 53.183,
103.902


 26, 53.183,
103.902

 76, 53.183,
103.902

 16, 53.183,
103.902

 86, 53.183,
103.902

 6, 53.183, 103.902

 96, 53.183,
103.902

 0, 53.183, 103.902

 46, 53.183,

 46, 53.183,

103.902

■ 46, 53.273,
103.895

103.902

■ 46, 50.724,
104.160

■ 46, 47.507,
104.529

■ 46, 43.157,
105.069

■ 46, 37.957,
105.745

■ 46, 32.172,
106.518

■ 47, 26.006,
107.355

■ 47, 19.601,
108.230

■ 47, 13.053,
109.121

Harmonies

Complementary

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



46, 53.183, 103.902



11, 73.203, 306.323

Rectangle

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



46, 53.183, 103.902



46, 53.183, 153.902



46, 53.183, 283.902



46, 53.183, 333.902

Sweetspot

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



46, 53.183, 103.904



60, 24.664, 108.128



22, 54.895, 37.553



31, 16.680, 107.845



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, 53.183, 103.904



59, 64.583, 103.922



42, 59.728, 127.853



23, 3.717, 110.070



49, 55.465, 103.901



94, 94.730, 103.961

Inverse Universe

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



11, 73.203, 306.323



16, 89.051, 306.355



16, 67.860, 312.778



21, 3.793, 291.720



12, 76.456, 306.374



31, 130.685, 306.323

Previews

White Background



This preview shows how the CIELCh color 46, 53.183, 103.902 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 46, 53.183, 103.902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

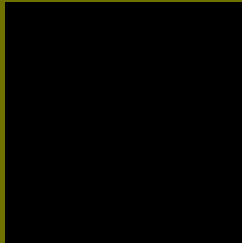
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 53.183, 103.902

Background



This preview shows how black text looks on a background with the CIELCh color 46, 53.183, 103.902.



This preview shows how white text looks on a background with the CIELCh color 46, 53.183, 103.902.

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, 53.183, 103.902

Protanopia

46, 52.318, 95.243

Deuteranopia

46, 49.119, 82.677



Tritanopia
46, 7.845, 337.477

Trichromacy



Original Color
46, 53.183, 103.902

Protanomaly
46, 52.645, 98.564

Deuteranomaly
46, 49.831, 91.135

Tritanomaly
46, 20.903, 97.138

Monochromacy



Original Color
46, 53.183, 103.902

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 24.088, 107.743

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 53.183, 103.902 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(111, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(111, 113, 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(111, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 113, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 53.183, 103.902 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(111, 113, 0) }
```

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

```
.border{ border-color:rgb(111, 113, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 113, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 113, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 113, 0);  
box-shadow:4px 4px 4px 4px rgb(111, 113,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 53.183, 103.902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 113, 0) }
```

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

```
.background{ background-color: rgb(111,  
113, 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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