

Converting Colors

CIELCh(46, 53.851, 105.822)

Have a look what the booklet for
CIELCh(46, 53.851, 105.822)
contains.

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Color

CIELCh(46, 53.609, 105.963)

Conversions

Conversions Part 1

Format	Color
Hex	6C7200
RGB	108, 114, 0
RGB Percent	42%, 45%, 0%
CMY	0.5758, 0.5523, 0.9991
CMYK	0.05, 0.00, 1.00, 0.55
HSL	63°, 100%, 22%
HSV	63°, 100%, 45%
XYZ	12.2406, 15.2687, 2.3085
YIQ	99.2100, 33.0180, -36.7260

Conversions

Conversions Part 2

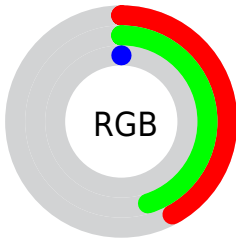
Format	Color
RYB	0, 114, 6
Decimal	7107072
CIELab	46.00, -14.74, 51.54
CIELCh	46, 53.609, 105.963
Yxy	15.2687, 0.4105, 0.5121
Android (android.graphics.Color)	4285297152 (0xFF6C7200)
YUV	99.2100, -48.9105, 7.7088
Hunter-Lab	39.0751, -12.4650, 23.8498

Details

The CIELCh color **46, 53.609, 105.963** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **11, 73.493, 306.529**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 53.833, 105.929**, and **26, 36.891, 111.175** is the 20% darker color. If you saturate the color by 10%, you get **46, 53.661, 105.962**, and if you desaturate by 10%, it is **46, 51.136, 106.097**.

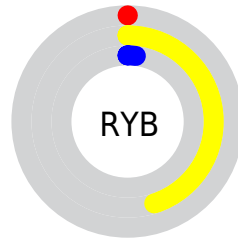
Distribution



Red (42%)

Green (45%)

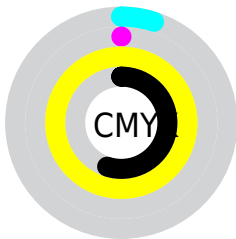
Blue (0%)



Red (0%)

Yellow (45%)

Blue (2%)

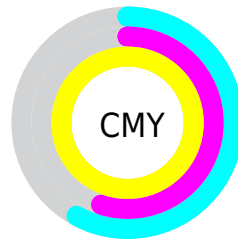


Cyan (5%)

Magenta (0%)

Yellow (100%)

Black (55%)



Cyan (58%)


Magenta (55%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 53.609, 105.963 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, 53.609, 105.963 by changing the saturation by 10% instead.


 46, 53.609,
105.963


 46, 53.609,
105.963


 100, 53.609,
105.963


 36, 53.609,
105.963

 66, 53.609,
105.963


 26, 53.609,
105.963

 76, 53.609,
105.963

 16, 53.609,
105.963

 86, 53.609,
105.963

 6, 53.609, 105.963

 96, 53.609,
105.963

 0, 53.609, 105.963

 46, 53.609,

 46, 53.609,

105.963

■ 46, 53.661,
105.962

105.963

■ 46, 51.136,
106.097

■ 46, 47.910,
106.353

■ 46, 43.541,
106.809

■ 46, 38.313,
107.418

■ 47, 32.494,
108.134

■ 47, 26.289,
108.919

■ 47, 19.841,
109.744

■ 47, 13.247,
110.587

Harmonies

Complementary

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



46, 53.609, 105.963



11, 73.493, 306.529

Rectangle

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



46, 53.609, 105.963



46, 53.609, 155.963



46, 53.609, 285.963



46, 53.609, 335.963

Sweetspot

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



46, 53.609, 105.965



60, 24.685, 109.663



23, 54.855, 38.435



31, 16.695, 109.396



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, 53.609, 105.965



59, 64.698, 106.041



42, 60.737, 128.902



23, 3.720, 111.496



48, 55.560, 105.978



94, 94.910, 106.155

Inverse Universe

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



11, 73.493, 306.529



16, 88.855, 306.490



17, 67.854, 313.577



21, 3.796, 293.046



12, 76.242, 306.547



31, 130.527, 306.397

Previews

White Background



This preview shows how the CIELCh color 46, 53.609, 105.963 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, 53.609, 105.963 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, 53.609, 105.963

Background



This preview shows how black text looks on a background with the CIELCh color 46, 53.609, 105.963.



This preview shows how white text looks on a background with the CIELCh color 46, 53.609, 105.963.

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

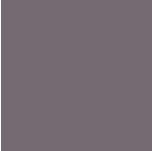
46, 53.609, 105.963

Protanopia

46, 52.318, 95.243

Deuteranopia

46, 48.826, 82.599



Tritanopia
46, 6.282, 331.003

Trichromacy



Original Color
46, 53.609, 105.963

Protanomaly
46, 52.608, 99.100

Deuteranomaly
46, 49.482, 91.673

Tritanomaly
46, 21.188, 102.232

Monochromacy



Original Color
46, 53.609, 105.963

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 24.691, 109.778

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 53.609, 105.963 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(108, 114, 0)` looks like.

```
.text, #text, p{  
    color:rgb(108, 114, 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(108, 114, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 114, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 53.609, 105.963 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(108, 114, 0) }
```

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

```
.border{ border-color:rgb(108, 114, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 114, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 114, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 114, 0);  
box-shadow:4px 4px 4px 4px rgb(108, 114,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 53.609, 105.963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 114, 0) }
```

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

```
.background{ background-color: rgb(108,  
114, 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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