

Converting Colors

CIELCh(46, 53.919, 106.787)

Have a look what the booklet for
CIELCh(46, 53.919, 106.787)
contains.

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Color

CIELCh(46, 54.016, 106.956)

Conversions

Conversions Part 1

Format	Color
Hex	6B7300
RGB	107, 115, 0
RGB Percent	42%, 45%, 0%
CMY	0.5821, 0.5506, 1.0000
CMYK	0.07, 0.00, 1.00, 0.55
HSL	64°, 100%, 22%
HSV	64°, 100%, 45%
XYZ	12.0943, 15.2687, 2.2928
YIQ	99.4980, 32.1470, -37.4610

Conversions

Conversions Part 2

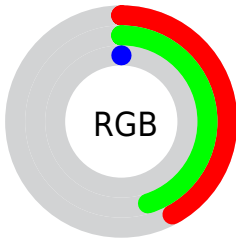
Format	Color
RYB	0, 115, 8
Decimal	7041792
CIELab	46.00, -15.75, 51.67
CIELCh	46, 54.016, 106.956
Yxy	15.2687, 0.4078, 0.5149
Android (android.graphics.Color)	4285231872 (0xFF6B7300)
YUV	99.4980, -49.0525, 6.5793
Hunter-Lab	39.0751, -13.1331, 23.8737

Details

The CIELCh color **46, 54.016, 106.956** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **11, 73.720, 306.651**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 54.281, 106.833**, and **26, 37.484, 112.592** is the 20% darker color. If you saturate the color by 10%, you get **46, 53.886, 106.984**, and if you desaturate by 10%, it is **46, 51.401, 107.055**.

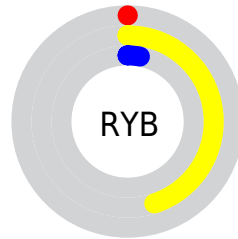
Distribution



Red (42%)

Green (45%)

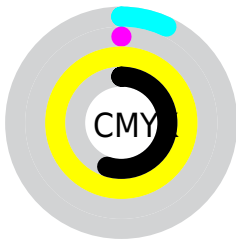
Blue (0%)



Red (0%)

Yellow (45%)

Blue (3%)

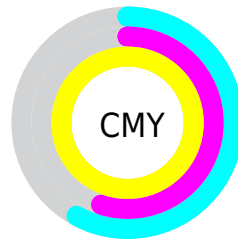


Cyan (7%)

Magenta (0%)

Yellow (100%)

Black (55%)



Cyan (58%)


Magenta (55%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 54.016, 106.956 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, 54.016, 106.956 by changing the saturation by 10% instead.


 46, 54.016,
106.956


 46, 54.016,
106.956


 100, 54.016,
106.956


 36, 54.016,
106.956

 66, 54.016,
106.956


 26, 54.016,
106.956

 76, 54.016,
106.956

 16, 54.016,
106.956

 86, 54.016,
106.956

 6, 54.016, 106.956

 96, 54.016,
106.956

 0, 54.016, 106.956

 46, 54.016,

 46, 54.016,

106.956

106.956

■ 46, 53.886,
106.984

■ 46, 51.401,
107.055

■ 46, 48.184,
107.254

■ 46, 43.814,
107.666

■ 47, 38.579,
108.240

■ 47, 32.746,
108.926

■ 47, 26.522,
109.686

■ 47, 20.053,
110.486

■ 48, 13.436,
111.305

Harmonies

Complementary

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



46, 54.016, 106.956



11, 73.720, 306.651

Rectangle

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



46, 54.016, 106.956



46, 54.016, 156.956



46, 54.016, 286.956



46, 54.016, 336.956

Sweetspot

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



46, 53.886, 106.984



60, 24.703, 110.425



23, 54.895, 38.891



31, 16.707, 110.166



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, 53.886, 106.984



59, 64.792, 107.087



43, 61.285, 129.401



23, 3.722, 112.206



48, 55.638, 107.003



93, 95.058, 107.237

Inverse Universe

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



11, 73.720, 306.651



17, 88.759, 306.558



17, 67.908, 313.992



21, 3.798, 293.706



12, 76.138, 306.633



31, 130.428, 306.444

Previews

White Background



This preview shows how the CIELCh color 46, 54.016, 106.956 looks on a white background.

Color Contrast Check

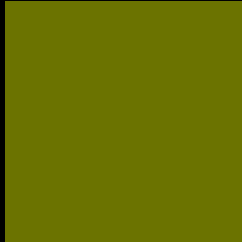
Large Text (above 18pt) WCAG AA ✓ Pass

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, 54.016, 106.956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

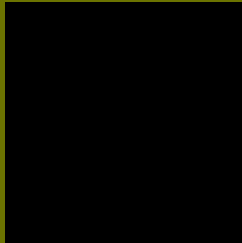
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 54.016, 106.956

Background



This preview shows how black text looks on a background with the CIELCh color 46, 54.016, 106.956.



This preview shows how white text looks on a background with the CIELCh color 46, 54.016, 106.956.

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, 54.016, 106.956

Protanopia

46, 52.318, 95.243

Deuteranopia

46, 48.524, 82.517



Tritanopia
46, 5.779, 324.774

Trichromacy



Original Color
46, 54.016, 106.956

Protanomaly
46, 52.576, 99.636

Deuteranomaly
46, 49.482, 91.673

Tritanomaly
46, 21.667, 104.703

Monochromacy



Original Color
46, 54.016, 106.956

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, 54.016, 106.956 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(107, 115, 0)` looks like.

```
.text, #text, p{  
    color:rgb(107, 115, 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(107, 115, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 115, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 54.016, 106.956 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(107, 115, 0) }
```

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

```
.border{ border-color:rgb(107, 115, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 115, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 115, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 115, 0);  
box-shadow:4px 4px 4px 4px rgb(107, 115,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 54.016, 106.956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 115, 0) }
```

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

```
.background{ background-color: rgb(107,  
115, 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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