

Converting Colors

CIELCh(46, 41.098, 107.731)

Have a look what the booklet for
CIELCh(46, 41.098, 107.731)
contains.

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Color

CIELCh(46, 41.043, 107.131)

Conversions

Conversions Part 1

Format	Color
Hex	6D7127
RGB	109, 113, 39
RGB Percent	43%, 44%, 15%
CMY	0.5717, 0.5560, 0.8463
CMYK	0.04, 0.00, 0.65, 0.56
HSL	63°, 49%, 30%
HSV	63°, 65%, 44%
XYZ	12.6306, 15.2687, 4.2184
YIQ	103.3680, 21.3700, -23.8620

Conversions

Conversions Part 2

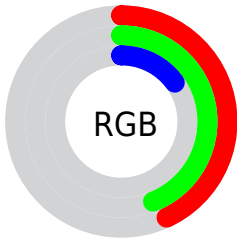
Format	Color
RYB	39, 113, 43
Decimal	7172391
CIELab	46.00, -12.09, 39.22
CIELCh	46, 41.043, 107.131
Yxy	15.2687, 0.3933, 0.4754
Android (android.graphics.Color)	4285362471 (0xFF6D7127)
YUV	103.3680, -31.7334, 4.9393
Hunter-Lab	39.0751, -10.6833, 20.9519

Details

The CIELCh color **46, 41.043, 107.131** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **21, 49.385, 301.095**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 41.242, 107.617**, and **26, 36.203, 108.039** is the 20% darker color. If you saturate the color by 10%, you get **46, 45.802, 106.606**, and if you desaturate by 10%, it is **46, 35.558, 107.792**.

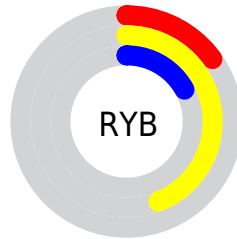
Distribution



Red (43%)

Green (44%)

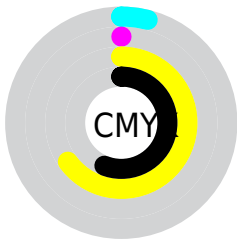
Blue (15%)



Red (15%)

Yellow (44%)

Blue (17%)

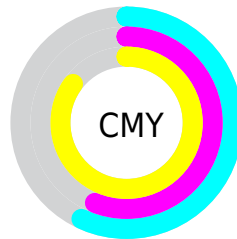


Cyan (4%)

Magenta (0%)

Yellow (65%)

Black (56%)



Cyan (57%)


Magenta (56%)


Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 41.043, 107.131 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, 41.043, 107.131 by changing the saturation by 10% instead.


 46, 41.043,
107.131


 46, 41.043,
107.131


 100, 41.043,
107.131


 36, 41.043,
107.131

 66, 41.043,
107.131


 26, 41.043,
107.131

 76, 41.043,
107.131

 16, 41.043,
107.131

 86, 41.043,
107.131

 6, 41.043, 107.131

 96, 41.043,
107.131

 0, 41.043, 107.131

 46, 41.043,

 46, 41.043,

107.131

■ 46, 45.802,
106.606

■ 46, 49.549,
106.259

■ 46, 52.176,
106.106

■ 46, 53.348,
106.039

107.131

■ 46, 35.558,
107.792

■ 46, 29.586,
108.541

■ 47, 23.301,
109.344

■ 47, 16.823,
110.177

■ 47, 10.231,
111.018

■ 48, 3.579, 111.851

■ 48, 3.099, 292.689

■ 48, 9.778, 293.480

■ 49, 16.441,

Harmonies

Complementary

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



46, 41.043, 107.131



21, 49.385, 301.095

Rectangle

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



46, 41.043, 107.131



46, 41.043, 157.131



46, 41.043, 287.131



46, 41.043, 337.131

Sweetspot

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



46, 41.043, 107.133



60, 16.545, 110.584



28, 35.857, 30.725



31, 11.206, 110.404



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, 41.043, 107.133



59, 57.856, 106.418



43, 45.228, 128.099



23, 3.720, 111.552



48, 55.566, 106.059



94, 94.920, 106.240

Inverse Universe

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



21, 49.385, 301.095



22, 73.926, 303.726



25, 49.009, 313.627



21, 3.796, 293.098



12, 76.234, 306.554



31, 130.520, 306.400

Previews

White Background



This preview shows how the CIELCh color 46, 41.043, 107.131 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, 41.043, 107.131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

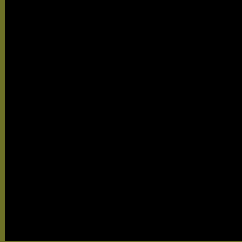
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 41.043, 107.131

Background



This preview shows how black text looks on a background with the CIELCh color 46, 41.043, 107.131.



This preview shows how white text looks on a background with the CIELCh color 46, 41.043, 107.131.

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

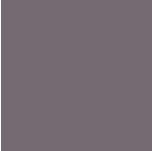
46, 41.043, 107.131

Protanopia

46, 40.244, 95.489

Deuteranopia

46, 39.170, 81.394



Tritanopia
46, 6.282, 331.003

Trichromacy



Original Color
46, 41.043, 107.131

Protanomaly
46, 40.685, 100.381

Deuteranomaly
46, 38.621, 90.924

Tritanomaly
46, 13.167, 98.709

Monochromacy



Original Color
46, 41.043, 107.131

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 15.967, 109.475

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 41.043, 107.131 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(109, 113, 39)` looks like.

```
.text, #text, p{  
    color:rgb(109, 113, 39)  
}
```

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(109, 113, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 113, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 41.043, 107.131 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(109, 113, 39) }
```

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

```
.border{ border-color:rgb(109, 113, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 113, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 113, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 113, 39);  
box-shadow:4px 4px 4px 4px rgb(109, 113,  
39) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 41.043, 107.131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 113, 39) }
```

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

```
.background{ background-color: rgb(109,  
113, 39) }
```

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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