

Converting Colors

CIELCh(46, 50.205, 295.425)

Have a look what the booklet for
CIELCh(46, 50.205, 295.425)
contains.

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Color

CIELCh(46, 49.760, 295.225)

Conversions

Conversions Part 1

Format	Color
Hex	6165B9
RGB	97, 101, 185
RGB Percent	38%, 40%, 73%
CMY	0.6208, 0.6050, 0.2757
CMYK	0.48, 0.45, 0.00, 0.28
HSL	237°, 38%, 55%
HSV	237°, 48%, 72%
XYZ	18.2486, 15.2687, 47.7136
YIQ	109.3800, -29.3480, 25.2760

Conversions

Conversions Part 2

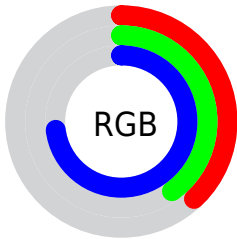
Format	Color
R _Y B	97, 101, 185
Decimal	6383033
CIE Lab	46.00, 21.21, -45.01
CIE LCh	46, 49.760, 295.225
Yxy	15.2687, 0.2247, 0.1880
Android (android.graphics.Color)	4284573113 (0xFF6165B9)
YUV	109.3800, 37.2807, -10.8573
Hunter-Lab	39.0751, 14.9804, -45.0448

Details

The CIELCh color $46, 49.760, 295.225$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $72, 44.236, 103.554$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 49.860, 295.104$, and $26, 49.275, 294.923$ is the 20% darker color. If you saturate the color by 10%, you get $40, 61.406, 297.375$, and if you desaturate by 10%, it is $52, 38.512, 293.324$.

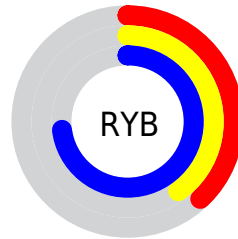
Distribution



Red (38%)

Green (40%)

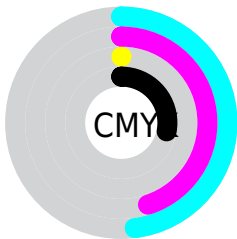
Blue (73%)



Red (38%)

Yellow (40%)

Blue (73%)

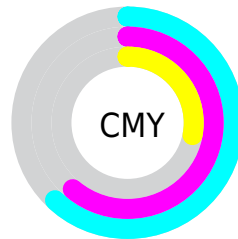


Cyan (48%)

Magenta (45%)

Yellow (0%)

Black (28%)



Cyan (62%)

Magenta (61%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 49.760, 295.225 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, 49.760, 295.225 by changing the saturation by 10% instead.

 46, 49.760,
295.225


 46, 49.760,
295.225


 100, 49.760,
295.225

 36, 49.760,
295.225

 66, 49.760,
295.225


 26, 49.760,
295.225

 76, 49.760,
295.225

 16, 49.760,
295.225

 86, 49.760,
295.225

 6, 49.760, 295.225

 96, 49.760,
295.225

 0, 49.760, 295.225

 46, 49.760,

 46, 49.760,

295.225

40, 61.406,
297.375

35, 73.248,
299.699

30, 84.736,
302.031

26, 94.764,
304.088

23, 101.802,
305.532

23, 102.939,
305.737

295.225

52, 38.512,
293.324

58, 27.711,
291.681

64, 17.341,
290.278


70, 7.375, 289.089

76, 2.219, 108.025

82, 11.469,
107.185

88, 20.399,
106.444

94, 29.032,
105.804

 99, 35.335,
107.485

Harmonies

Complementary

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



46, 49.760, 295.225



72, 44.236, 103.554

Rectangle

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



46, 49.760, 295.225



46, 49.760, 345.225



46, 49.760, 115.225



46, 49.760, 165.225

Sweetspot

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



46, 49.759, 295.226



84, 16.895, 289.849



70, 28.143, 192.232



43, 11.705, 290.116



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



46, 49.759, 295.226



52, 75.086, 297.441



49, 53.092, 309.910



36, 5.456, 289.275



18, 90.260, 305.610



1, 14.860, 288.935

Inverse Universe

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



52, 38.364, 21.245



61, 57.991, 23.604



70, 49.090, 125.051



36, 4.006, 16.204



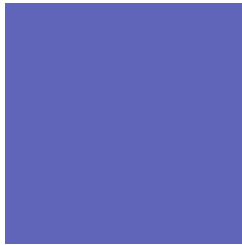
32, 70.146, 37.735



2, 10.658, 16.617

Previews

White Background



This preview shows how the CIELCh color 46, 49.760, 295.225 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, 49.760, 295.225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

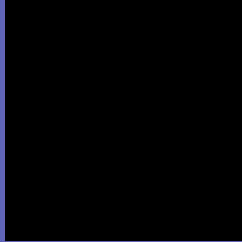
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 49.760, 295.225

Background



This preview shows how black text looks on a background with the CIELCh color 46, 49.760, 295.225.



This preview shows how white text looks on a background with the CIELCh color 46, 49.760, 295.225.

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





Tritanopia
46, 13.716, 221.247

Trichromacy



Original Color
46, 49.760, 295.225

Protanomaly
46, 49.878, 289.317

Deuteranomaly
46, 46.021, 284.660

Tritanomaly
46, 22.573, 271.607

Monochromacy



Original Color
46, 49.760, 295.225

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 18.460, 291.567

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 49.760, 295.225 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(97, 101, 185)` looks like.

```
.text, #text, p{  
    color:rgb(97, 101, 185)  
}
```

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(97, 101, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 101, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 49.760, 295.225 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(97, 101, 185) }
```

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

```
.border{ border-color:rgb(97, 101, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 101, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 101, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 101, 185);  
box-shadow:4px 4px 4px 4px rgb(97, 101,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 49.760, 295.225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 101, 185) }
```

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

```
.background{ background-color: rgb(97, 101,  
185) }
```

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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