

Converting Colors

CIELCh(46, 40.575, 294.530)

Have a look what the booklet for
CIELCh(46, 40.575, 294.530)
contains.

CIELCh(46, 40.357, 294.127)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(46, 40.357, 294.127)

Conversions

Conversions Part 1

Format	Color
Hex	6467AB
RGB	100, 103, 171
RGB Percent	39%, 40%, 67%
CMY	0.6090, 0.5971, 0.3306
CMYK	0.42, 0.40, 0.00, 0.33
HSL	237°, 30%, 53%
HSV	237°, 42%, 67%
XYZ	17.3692, 15.2687, 40.4105
YIQ	109.8550, -23.6160, 20.5120

Conversions

Conversions Part 2

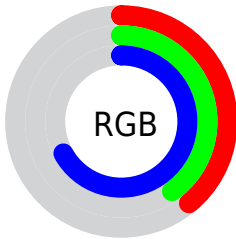
Format	Color
RYB	100, 103, 171
Decimal	6580139
CIELab	46.00, 16.50, -36.83
CIELCh	46, 40.357, 294.127
Yxy	15.2687, 0.2378, 0.2090
Android (android.graphics.Color)	4284770219 (0xFF6467AB)
YUV	109.8550, 30.1445, -8.6428
Hunter-Lab	39.0751, 10.9631, -33.9636

Details

The CIELCh color `46, 40.357, 294.127` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `68, 36.588, 104.318`, and the grayscale version is `46, 0.006, 296.813`.

A 20% lighter version of the original color is `66, 40.479, 294.234`, and `26, 40.397, 294.146` is the 20% darker color. If you saturate the color by 10%, you get `40, 51.093, 296.108`, and if you desaturate by 10%, it is `52, 30.030, 292.402`.

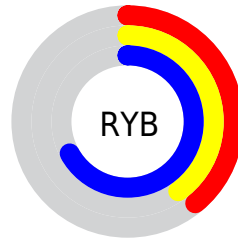
Distribution



Red (39%)

Green (40%)

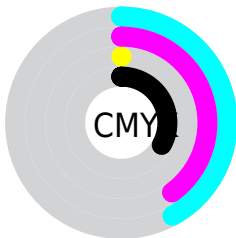
Blue (67%)



Red (39%)

Yellow (40%)

Blue (67%)

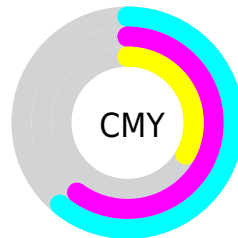


Cyan (42%)

Magenta (40%)

Yellow (0%)

Black (33%)



Cyan (61%)

Magenta (60%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 40.357, 294.127 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, 40.357, 294.127 by changing the saturation by 10% instead.

■ 46, 40.357,
294.127

■ 46, 40.357,
294.127

■ 100, 40.357,
294.127

■ 36, 40.357,
294.127

■ 66, 40.357,
294.127

■ 26, 40.357,
294.127

■ 76, 40.357,
294.127

■ 16, 40.357,
294.127

■ 86, 40.357,
294.127

■ 6, 40.357, 294.127

■ 96, 40.357,
294.127

■ 0, 40.357, 294.127

■ 46, 40.357,

■ 46, 40.357,

294.127

40, 51.093,
296.108

35, 62.155,
298.313

30, 73.254,
300.642

25, 83.698,
302.884

22, 92.250,
304.732

20, 97.057,
305.725

294.127

52, 30.030,
292.402

57, 20.117,
290.923

63, 10.593,
289.664


69, 1.431, 288.633

75, 7.399, 107.656

80, 15.919,
106.877

86, 24.152,
106.204

91, 32.116,
105.621

 97, 39.827,
105.115

Harmonies

Complementary

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



46, 40.357, 294.127



68, 36.588, 104.318

Rectangle

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



46, 40.357, 294.127



46, 40.357, 344.127



46, 40.357, 114.127



46, 40.357, 164.127

Sweetspot

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



46, 40.356, 294.127



80, 13.594, 289.737



65, 23.716, 192.617



42, 9.111, 289.885



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



46, 40.356, 294.127



53, 61.205, 295.962



48, 43.233, 309.530



33, 5.093, 289.402



17, 87.017, 305.620



1, 9.209, 288.681

Inverse Universe

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



50, 30.895, 20.319



60, 47.107, 22.102



66, 40.450, 125.327



33, 3.726, 16.461



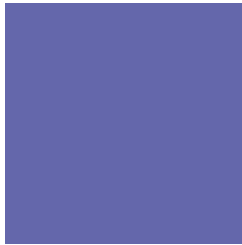
30, 67.519, 37.644



1, 6.586, 16.360

Previews

White Background



This preview shows how the CIELCh color 46, 40.357, 294.127 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, 40.357, 294.127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

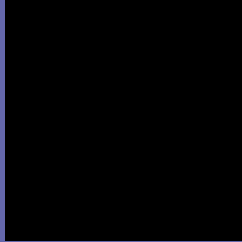
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 46, 40.357, 294.127

Background



This preview shows how black text looks on a background with the CIELCh color 46, 40.357, 294.127.

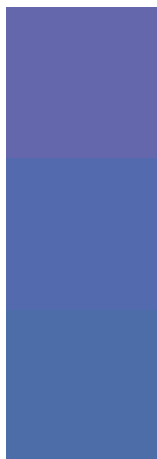


This preview shows how white text looks on a background with the CIELCh color 46, 40.357, 294.127.

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, 40.357, 294.127

Protanopia

46, 39.984, 285.463

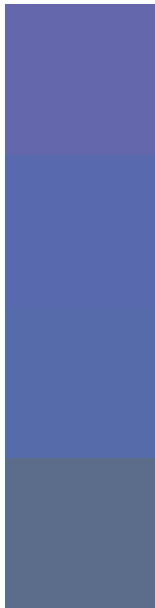
Deuteranopia

46, 36.268, 280.162



Tritanopia
46, 10.811, 228.334

Trichromacy



Original Color
46, 40.357, 294.127

Protanomaly
46, 40.437, 288.794

Deuteranomaly
46, 37.631, 285.180

Tritanomaly
46, 19.133, 274.755

Monochromacy



Original Color
46, 40.357, 294.127

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 14.875, 290.781

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 40.357, 294.127 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(100, 103, 171)` looks like.

```
.text, #text, p{  
    color:rgb(100, 103, 171)  
}
```

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(100, 103, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 103, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 40.357, 294.127 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(100, 103, 171) }
```

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

```
.border{ border-color:rgb(100, 103, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 103, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 103, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 103, 171);  
box-shadow:4px 4px 4px 4px rgb(100, 103,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 40.357, 294.127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 103, 171) }
```

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

```
.background{ background-color: rgb(100,  
103, 171) }
```

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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