

Converting Colors

CIELCh(47, 39.510, 294.317)

Have a look what the booklet for
CIELCh(47, 39.510, 294.317)
contains.

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Color

CIELCh(47, 39.649, 294.389)

Conversions

Conversions Part 1

Format	Color
Hex	6769AC
RGB	103, 105, 172
RGB Percent	40%, 41%, 67%
CMY	0.5953, 0.5875, 0.3247
CMYK	0.40, 0.39, 0.00, 0.32
HSL	238°, 29%, 54%
HSV	238°, 40%, 68%
XYZ	18.1494, 16.0195, 41.2629
YIQ	112.0400, -22.6990, 20.4130

Conversions

Conversions Part 2

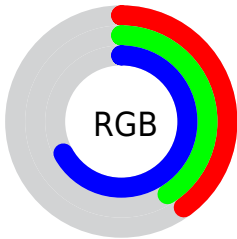
Format	Color
RYB	103, 105, 172
Decimal	6777260
CIELab	47.00, 16.37, -36.11
CIELCh	47, 39.649, 294.389
Yxy	16.0195, 0.2406, 0.2124
Android (android.graphics.Color)	4284967340 (0xFF6769AC)
YUV	112.0400, 29.5603, -7.9281
Hunter-Lab	40.0243, 10.8999, -33.1077

Details

The CIELCh color $47, 39.649, 294.389$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $68, 36.006, 105.101$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 39.846, 294.586$, and $27, 39.553, 294.502$ is the 20% darker color. If you saturate the color by 10%, you get $41, 50.576, 296.315$, and if you desaturate by 10%, it is $53, 29.144, 292.715$.

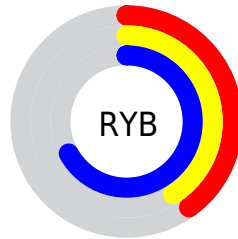
Distribution



Red (40%)

Green (41%)

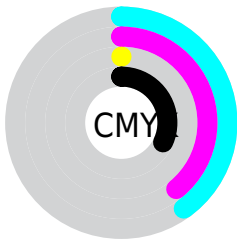
Blue (67%)



Red (40%)

Yellow (41%)

Blue (67%)

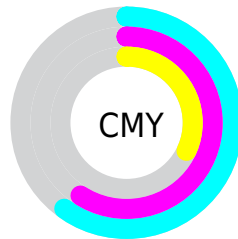


Cyan (40%)

Magenta (39%)

Yellow (0%)

Black (32%)



Cyan (60%)


Magenta (59%)

Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 39.649, 294.389 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 47, 39.649, 294.389 by changing the saturation by 10% instead.

 47, 39.649,
294.389


 47, 39.649,
294.389


 100, 39.649,
294.389


 37, 39.649,
294.389

 67, 39.649,
294.389


 27, 39.649,
294.389

 77, 39.649,
294.389

 17, 39.649,
294.389

 87, 39.649,
294.389

 7, 39.649, 294.389

 97, 39.649,
294.389

 0, 39.649, 294.389

 47, 39.649,

 47, 39.649,

294.389

294.389

41, 50.576,
296.315

53, 29.144,
292.715

36, 61.845,
298.467

59, 19.064,
291.281

30, 73.171,
300.747

65, 9.385, 290.063

26, 83.864,
302.952

70, 0.076, 289.905

76, 8.891, 108.123

23, 92.664,
304.775

82, 17.540,
107.369

20, 98.339,
305.910

88, 25.894,
106.719

93, 33.973,
106.157

98, 41.466,

Harmonies

Complementary

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



47, 39.649, 294.389



68, 36.006, 105.101

Rectangle

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



47, 39.649, 294.389



47, 39.649, 344.389



47, 39.649, 114.389



47, 39.649, 164.389

Sweetspot

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



47, 39.648, 294.389



81, 13.922, 290.307



66, 23.020, 194.299



42, 9.244, 290.453



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



47, 39.648, 294.389



55, 59.984, 296.068



49, 41.974, 309.975



34, 5.297, 289.978



17, 88.826, 305.843



1, 11.080, 289.230

Inverse Universe

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



51, 29.932, 21.098



62, 45.595, 22.687



67, 39.469, 126.010



34, 3.817, 17.576



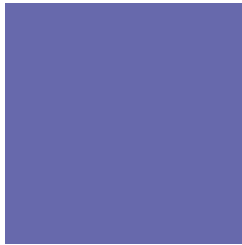
31, 68.933, 38.291



2, 7.810, 17.449

Previews

White Background



This preview shows how the CIELCh color 47, 39.649, 294.389 looks on a white background.

Color Contrast Check

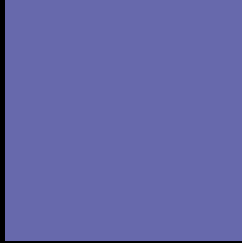
Large Text (above 18pt) WCAG AA ✓ Pass

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 47, 39.649, 294.389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

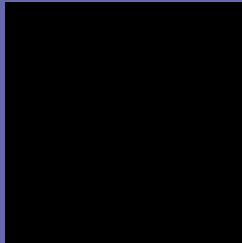
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 39.649, 294.389

Background



This preview shows how black text looks on a background with the CIELCh color 47, 39.649, 294.389.

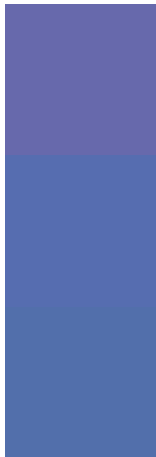


This preview shows how white text looks on a background with the CIELCh color 47, 39.649, 294.389.

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

47, 39.649, 294.389

Protanopia

47, 39.834, 285.692

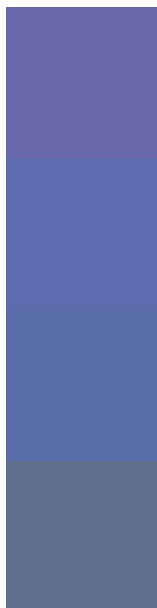
Deuteranopia

47, 36.022, 281.179



Tritanopia
47, 10.206, 230.246

Trichromacy



Original Color
47, 39.649, 294.389

Protanomaly
47, 39.682, 288.427

Deuteranomaly
47, 36.846, 286.038

Tritanomaly
47, 18.992, 275.625

Monochromacy



Original Color
47, 39.649, 294.389

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 14.214, 290.588

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 39.649, 294.389 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(103, 105, 172)` looks like.

```
.text, #text, p{  
    color:rgb(103, 105, 172)  
}
```

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(103, 105, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 105, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 39.649, 294.389 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(103, 105, 172) }
```

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

```
.border{ border-color:rgb(103, 105, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 105, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 105, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 105, 172);  
box-shadow:4px 4px 4px 4px rgb(103, 105,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 39.649, 294.389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 105, 172) }
```

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

```
.background{ background-color: rgb(103,  
105, 172) }
```

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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