

Converting Colors

CIELCh(47, 40.806, 294.972)

Have a look what the booklet for
CIELCh(47, 40.806, 294.972)
contains.

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Color

CIELCh(47, 40.806, 294.972)

Conversions

Conversions Part 1

Format	Color
Hex	6869AE
RGB	104, 105, 174
RGB Percent	41%, 41%, 68%
CMY	0.5933, 0.5893, 0.3188
CMYK	0.40, 0.40, 0.00, 0.32
HSL	239°, 30%, 54%
HSV	239°, 40%, 68%
XYZ	18.3116, 16.0195, 42.0205
YIQ	112.5670, -22.7450, 21.2470

Conversions

Conversions Part 2

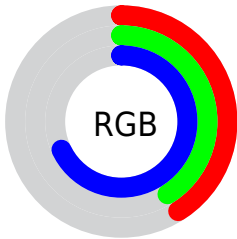
Format	Color
RYB	104, 105, 174
Decimal	6842798
CIELab	47.00, 17.23, -36.99
CIELCh	47, 40.806, 294.972
Yxy	16.0195, 0.2398, 0.2098
Android (android.graphics.Color)	4285032878 (0xFF6869AE)
YUV	112.5670, 30.2865, -7.5133
Hunter-Lab	40.0243, 11.6232, -34.2300

Details

The CIELCh color `47, 40.806, 294.972` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `69, 36.923, 105.723`, and the grayscale version is `47, 0.006, 296.813`.

A 20% lighter version of the original color is `67, 40.945, 295.101`, and `27, 40.784, 295.166` is the 20% darker color. If you saturate the color by 10%, you get `41, 52.001, 296.887`, and if you desaturate by 10%, it is `53, 30.040, 293.305`.

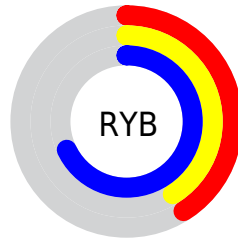
Distribution



Red (41%)

Green (41%)

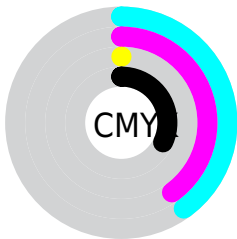
Blue (68%)



Red (41%)

Yellow (41%)

Blue (68%)

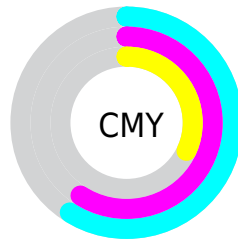


Cyan (40%)

Magenta (40%)

Yellow (0%)

Black (32%)



Cyan (59%)


Magenta (59%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 40.806, 294.972 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, 40.806, 294.972 by changing the saturation by 10% instead.


 47, 40.806,
294.972


 47, 40.806,
294.972


 100, 40.806,
294.972


 37, 40.806,
294.972

 67, 40.806,
294.972


 27, 40.806,
294.972

 77, 40.806,
294.972

 17, 40.806,
294.972

 87, 40.806,
294.972

 7, 40.806, 294.972

 97, 40.806,
294.972

 0, 40.806, 294.972

 47, 40.806,

 47, 40.806,

294.972

41, 52.001,
296.887

36, 63.525,
299.017

30, 75.043,
301.254

26, 85.770,
303.380

22, 94.332,
305.075

20, 99.657,
306.098

294.972

53, 30.040,
293.305

59, 19.714,
291.877

65, 9.804, 290.664

71, 0.280, 289.849

77, 8.888, 108.737

83, 17.726,
107.990

88, 26.256,
107.346

94, 34.501,
106.792

98, 40.729,

Harmonies

Complementary

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



47, 40.806, 294.972



69, 36.923, 105.723

Rectangle

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



47, 40.806, 294.972



47, 40.806, 344.972



47, 40.806, 114.972



47, 40.806, 164.972

Sweetspot

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



47, 40.805, 294.972



81, 14.262, 290.882



67, 23.157, 195.898



42, 9.559, 291.030



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



47, 40.805, 294.972



55, 61.508, 296.598



50, 42.594, 310.524



34, 5.376, 290.555



17, 89.535, 306.063



1, 11.212, 289.705

Inverse Universe

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



52, 30.426, 22.197



62, 46.213, 23.728



67, 40.129, 126.606



34, 3.817, 18.732



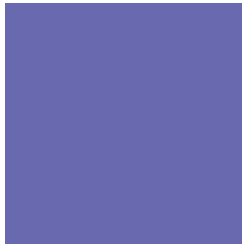
31, 69.449, 38.868



2, 7.804, 18.417

Previews

White Background



This preview shows how the CIE LCh color 47, 40.806, 294.972 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, 40.806, 294.972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

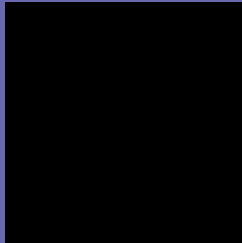
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 40.806, 294.972

Background



This preview shows how black text looks on a background with the CIELCh color 47, 40.806, 294.972.

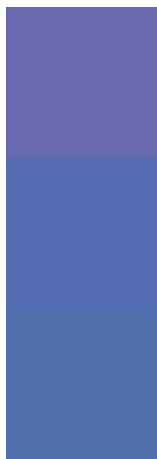


This preview shows how white text looks on a background with the CIELCh color 47, 40.806, 294.972.

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, 40.806, 294.972

Protanopia

47, 41.005, 285.825

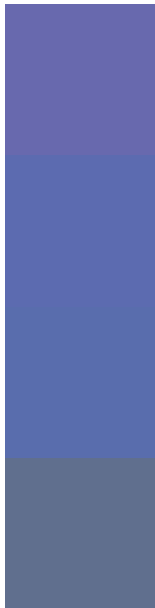
Deuteranopia

47, 36.677, 280.747



Tritanopia
47, 9.913, 231.316

Trichromacy



Original Color
47, 40.806, 294.972

Protanomaly
47, 40.868, 289.247

Deuteranomaly
47, 38.023, 286.113

Tritanomaly
47, 18.910, 276.597

Monochromacy



Original Color
47, 40.806, 294.972

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 14.829, 292.175

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 40.806, 294.972 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(104, 105, 174)` looks like.

```
.text, #text, p{  
    color:rgb(104, 105, 174)  
}
```

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(104, 105, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 105, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 40.806, 294.972 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(104, 105, 174) }
```

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

```
.border{ border-color:rgb(104, 105, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 105, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 105, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 105, 174);  
box-shadow:4px 4px 4px 4px rgb(104, 105,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 40.806, 294.972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 105, 174) }
```

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

```
.background{ background-color: rgb(104,  
105, 174) }
```

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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