

Converting Colors

CIELCh(47, 80.181, 304.444)

Have a look what the booklet for
CIELCh(47, 80.181, 304.444)
contains.

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Color

CIELCh(47, 80.199, 304.458)

Conversions

Conversions Part 1

Format	Color
Hex	7457E0
RGB	116, 87, 224
RGB Percent	45%, 34%, 88%
CMY	0.5434, 0.6574, 0.1200
CMYK	0.48, 0.61, 0.00, 0.12
HSL	253°, 69%, 61%
HSV	253°, 61%, 88%
XYZ	24.2054, 16.0195, 72.6285
YIQ	111.2890, -26.6930, 48.7550

Conversions

Conversions Part 2

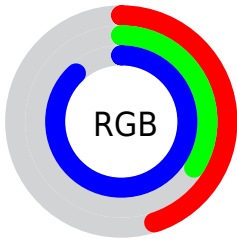
Format	Color
R _{YB}	116, 87, 224
Decimal	7624672
CIE Lab	47.00, 45.38, -66.13
CIE LCh	47, 80.199, 304.458
Yxy	16.0195, 0.2145, 0.1419
Android (android.graphics.Color)	4285814752 (0xFF7457E0)
YUV	111.2890, 55.5665, 4.1315
Hunter-Lab	40.0243, 37.9084, -79.5712

Details

The CIELCh color $47, 80.199, 304.458$ is a dark color, and the websafe version is hex $6666FF$. The color can be described as middle muted purple. A complement of this color would be $85, 68.268, 114.676$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 65.812, 305.754$, and $27, 80.398, 304.517$ is the 20% darker color. If you saturate the color by 10%, you get $41, 93.668, 305.644$, and if you desaturate by 10%, it is $54, 66.270, 303.235$.

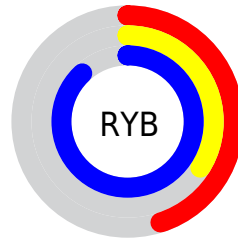
Distribution



Red (45%)

Green (34%)

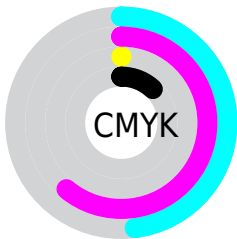
Blue (88%)



Red (45%)

Yellow (34%)

Blue (88%)

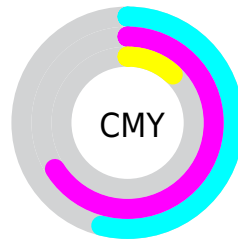


Cyan (48%)

Magenta (61%)

Yellow (0%)

Black (12%)



Cyan (54%)

Magenta (66%)

Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 80.199, 304.458 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, 80.199, 304.458 by changing the saturation by 10% instead.


 47, 80.199,
304.458

 47, 80.199,
304.458

 100, 80.199,
304.458

 37, 80.199,
304.458

 67, 80.199,
304.458


 27, 80.199,
304.458

 77, 80.199,
304.458

 17, 80.199,
304.458

 87, 80.199,
304.458

 7, 80.199, 304.458

 97, 80.199,
304.458

 0, 80.199, 304.458

 47, 80.199,

 47, 80.199,

304.458

41, 93.668,
305.644

36, 105.656,
306.626

32, 114.682,
307.183

29, 119.638,
307.277

304.458

54, 66.270,
303.235

60, 52.435,
302.069

67, 38.952,
301.008

74, 25.921,
300.066

82, 13.367,
299.243

89, 1.282, 298.517

96, 10.355,
117.917

99, 15.476,
109.008

Harmonies

Complementary

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



47, 80.199, 304.458



85, 68.268, 114.676

Rectangle

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



47, 80.199, 304.458



47, 80.199, 354.458



47, 80.199, 124.458



47, 80.199, 174.458

Sweetspot

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



47, 80.199, 304.459



86, 24.420, 299.812



74, 32.736, 224.699



44, 17.064, 300.065



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



47, 80.199, 304.459



45, 106.598, 305.911



54, 80.581, 318.132



43, 6.833, 299.119



22, 99.590, 307.389



3, 32.040, 300.934

Inverse Universe

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



59, 71.833, 335.226



62, 89.660, 336.276



81, 77.317, 132.640



44, 7.036, 331.521



40, 74.292, 338.857



7, 31.123, 336.779

Previews

White Background



This preview shows how the CIELCh color 47, 80.199, 304.458 looks on a white background.

Color Contrast Check

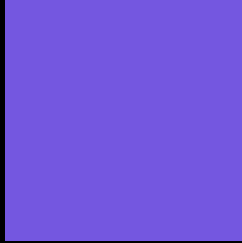
Large Text (above 18pt) WCAG AA ✓ Pass

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 47, 80.199, 304.458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

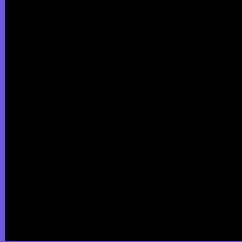
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 80.199, 304.458

Background



This preview shows how black text looks on a background with the CIELCh color 47, 80.199, 304.458.

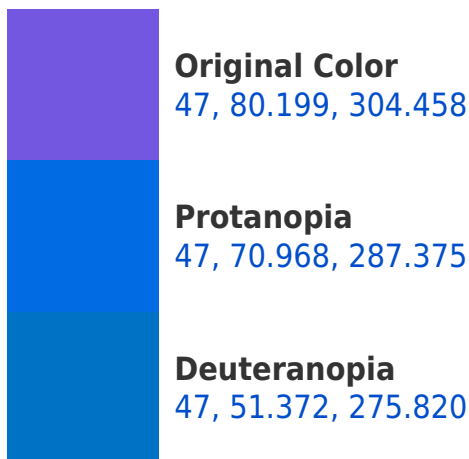


This preview shows how white text looks on a background with the CIELCh color 47, 80.199, 304.458.

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
47, 11.373, 226.539

Trichromacy



Original Color
47, 80.199, 304.458

Protanomaly
46, 74.430, 291.549

Deuteranomaly
46, 61.974, 286.843

Tritanomaly
46, 32.662, 289.987

Monochromacy



Original Color
47, 80.199, 304.458

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 30.047, 301.343

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 80.199, 304.458 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(116, 87, 224)` looks like.

```
.text, #text, p{  
    color:rgb(116, 87, 224)  
}
```

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(116, 87, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 87, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 80.199, 304.458 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(116, 87, 224) }
```

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

```
.border{ border-color:rgb(116, 87, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 87, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 87, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 87, 224);  
box-shadow:4px 4px 4px 4px rgb(116, 87,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 80.199, 304.458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 87, 224) }
```

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

```
.background{ background-color: rgb(116, 87,  
224) }
```

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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