

Converting Colors

CIELCh(47, 76.152, 304.974)

Have a look what the booklet for
CIELCh(47, 76.152, 304.974)
contains.

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Color

CIELCh(47, 76.342, 304.924)

Conversions

Conversions Part 1

Format	Color
Hex	7758DA
RGB	119, 88, 218
RGB Percent	47%, 35%, 85%
CMY	0.5325, 0.6542, 0.1443
CMYK	0.45, 0.60, 0.00, 0.14
HSL	254°, 64%, 60%
HSV	254°, 60%, 86%
XYZ	23.8244, 16.0195, 68.3111
YIQ	112.0890, -23.2540, 47.0020

Conversions

Conversions Part 2

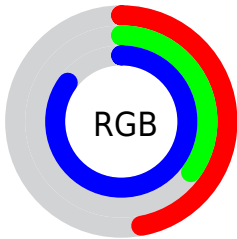
Format	Color
R_{YB}	119, 88, 218
Decimal	7821530
CIE _{Lab}	47.00, 43.70, -62.59
CIE _{LCh}	47, 76.342, 304.924
Yxy	16.0195, 0.2203, 0.1481
Android (android.graphics.Color)	4286011610 (0xFF7758DA)
YUV	112.0890, 52.2141, 6.0609
Hunter-Lab	40.0243, 36.2091, -73.1756

Details

The CIELCh color $47, 76.342, 304.924$ is a dark color, and the websafe version is hex $9966FF$. The color can be described as middle muted purple. A complement of this color would be $83, 65.660, 115.934$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 65.257, 306.064$, and $27, 76.378, 304.916$ is the 20% darker color. If you saturate the color by 10%, you get $41, 89.521, 306.019$, and if you desaturate by 10%, it is $53, 62.783, 303.799$.

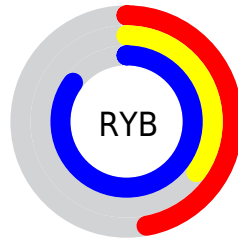
Distribution



Red (47%)

Green (35%)

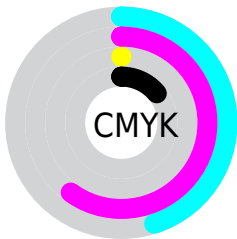
Blue (85%)



Red (47%)

Yellow (35%)

Blue (85%)

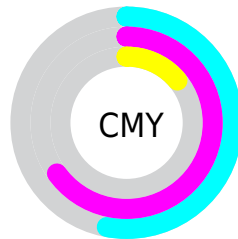


Cyan (45%)

Magenta (60%)

Yellow (0%)

Black (14%)



Cyan (53%)


Magenta (65%)


Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 76.342, 304.924 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, 76.342, 304.924 by changing the saturation by 10% instead.


 47, 76.342,
304.924


 47, 76.342,
304.924


 100, 76.342,
304.924


 37, 76.342,
304.924

 67, 76.342,
304.924


 27, 76.342,
304.924

 77, 76.342,
304.924

 17, 76.342,
304.924

 87, 76.342,
304.924

 7, 76.342, 304.924

 97, 76.342,
304.924

 0, 76.342, 304.924

 47, 76.342,

 47, 76.342,

304.924

41, 89.521,
306.019

36, 101.425,
306.935

32, 110.713,
307.470

29, 116.493,
307.530

29, 116.705,
307.535

304.924

53, 62.783,
303.799

60, 49.333,
302.727

67, 36.221,
301.749


74, 23.540,
300.878

81, 11.313,
300.113

87, 0.466, 119.511

94, 11.815,
118.881

99, 18.641,
112.025

 99, 18.600,
108.770

Harmonies

Complementary

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



47, 76.342, 304.924



83, 65.660, 115.934

Rectangle

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



47, 76.342, 304.924



47, 76.342, 354.924



47, 76.342, 124.924



47, 76.342, 174.924

Sweetspot

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



47, 76.342, 304.925



86, 24.480, 300.762



72, 31.419, 229.741



44, 17.104, 301.002



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, 76.342, 304.925



46, 104.986, 306.325



54, 77.253, 319.127



42, 6.723, 300.102



22, 98.147, 307.653



2, 30.009, 300.746

Inverse Universe

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



58, 67.713, 336.264



62, 87.407, 337.469



79, 74.721, 133.600



43, 6.775, 332.495



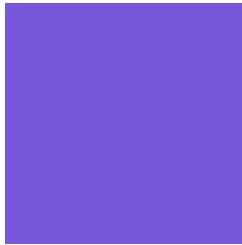
39, 72.114, 340.534



6, 29.218, 337.951

Previews

White Background



This preview shows how the CIELCh color 47, 76.342, 304.924 looks on a white background.

Color Contrast Check

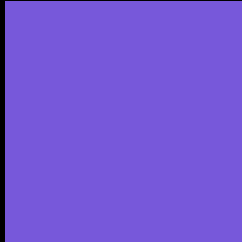
Large Text (above 18pt) WCAG AA ✓ Pass

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, 76.342, 304.924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

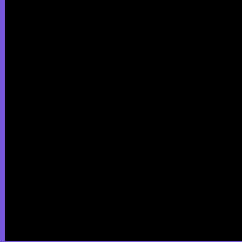
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 76.342, 304.924

Background



This preview shows how black text looks on a background with the CIELCh color 47, 76.342, 304.924.



This preview shows how white text looks on a background with the CIELCh color 47, 76.342, 304.924.

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

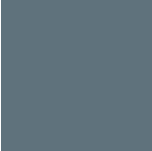
47, 76.342, 304.924

Protanopia

47, 71.513, 287.569

Deuteranopia

47, 51.888, 276.204



Tritanopia
47, 9.106, 239.581

Trichromacy



Original Color
47, 76.342, 304.924

Protanomaly
46, 73.313, 291.335

Deuteranomaly
46, 60.239, 286.051

Tritanomaly
46, 31.476, 293.731

Monochromacy



Original Color
47, 76.342, 304.924

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 28.930, 302.254

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 76.342, 304.924 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(119, 88, 218)` looks like.

```
.text, #text, p{  
    color:rgb(119, 88, 218)  
}
```

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(119, 88, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 88, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 76.342, 304.924 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(119, 88, 218) }
```

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

```
.border{ border-color:rgb(119, 88, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 88, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 88, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 88, 218);  
box-shadow:4px 4px 4px 4px rgb(119, 88,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 76.342, 304.924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 88, 218) }
```

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

```
.background{ background-color: rgb(119, 88,  
218) }
```

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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