

Converting Colors

CIELCh(47, 76.826, 304.381)

Have a look what the booklet for
CIELCh(47, 76.826, 304.381)
contains.

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Color

CIELCh(47, 76.825, 304.302)

Conversions

Conversions Part 1

Format	Color
Hex	7559DC
RGB	117, 89, 220
RGB Percent	46%, 35%, 86%
CMY	0.5423, 0.6519, 0.1383
CMYK	0.47, 0.60, 0.00, 0.14
HSL	253°, 65%, 60%
HSV	253°, 60%, 86%
XYZ	23.7316, 16.0195, 69.3574
YIQ	112.3060, -25.3630, 46.6770

Conversions

Conversions Part 2

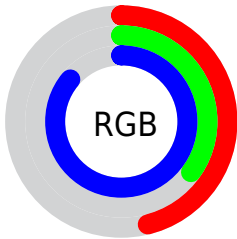
Format	Color
R_{YB}	117, 89, 220
Decimal	7690716
CIE _{Lab}	47.00, 43.30, -63.46
CIE _{LCh}	47, 76.825, 304.302
Yxy	16.0195, 0.2175, 0.1468
Android (android.graphics.Color)	4285880796 (0xFF7559DC)
YUV	112.3060, 53.0931, 4.1166
Hunter-Lab	40.0243, 35.7952, -74.7256

Details

The CIELCh color $47, 76.825, 304.302$ 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 $83, 65.765, 114.799$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 64.581, 305.324$, and $27, 77.030, 304.327$ is the 20% darker color. If you saturate the color by 10%, you get $41, 90.182, 305.496$, and if you desaturate by 10%, it is $54, 63.124, 303.090$.

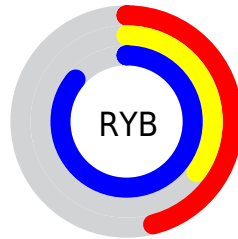
Distribution



Red (46%)

Green (35%)

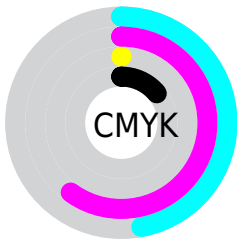
Blue (86%)



Red (46%)

Yellow (35%)

Blue (86%)

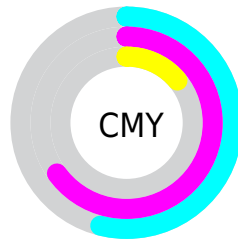


Cyan (47%)

Magenta (60%)

Yellow (0%)

Black (14%)



Cyan (54%)


Magenta (65%)


Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 76.825, 304.302 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, 76.825, 304.302 by changing the saturation by 10% instead.


 47, 76.825,
304.302


 47, 76.825,
304.302


 100, 76.825,
304.302


 37, 76.825,
304.302

 67, 76.825,
304.302


 27, 76.825,
304.302

 77, 76.825,
304.302

 17, 76.825,
304.302

 87, 76.825,
304.302

 7, 76.825, 304.302

 97, 76.825,
304.302

 0, 76.825, 304.302

 47, 76.825,

 47, 76.825,

304.302

41, 90.182,
305.496

36, 102.275,
306.517

32, 111.705,
307.149

29, 117.512,
307.290

29, 117.716,
307.297

304.302

54, 63.124,
303.090

60, 49.568,
301.944

67, 36.377,
300.905


74, 23.637,
299.985

81, 11.364,
299.181

88, 0.450, 118.527

95, 11.828,
117.889

99, 17.840,
108.866

 99, 17.840,
108.828

Harmonies

Complementary

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



47, 76.825, 304.302



83, 65.765, 114.799

Rectangle

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



47, 76.825, 304.302



47, 76.825, 354.302



47, 76.825, 124.302



47, 76.825, 174.302

Sweetspot

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



47, 76.825, 304.303



86, 24.423, 299.861



73, 31.703, 224.421



44, 17.066, 300.114



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, 76.825, 304.303



46, 105.185, 305.829



54, 77.522, 318.098



42, 6.705, 299.168



22, 98.490, 307.409



2, 29.951, 300.129

Inverse Universe

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



58, 69.242, 335.161



62, 88.874, 336.252



80, 74.425, 132.707



43, 6.897, 331.569



39, 73.432, 338.928



6, 29.736, 336.699

Previews

White Background



This preview shows how the CIELCh color 47, 76.825, 304.302 looks on a white background.

Color Contrast Check

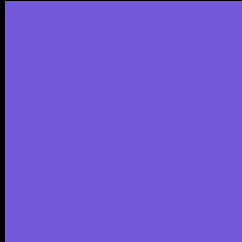
Large Text (above 18pt) WCAG AA ✓ Pass

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, 76.825, 304.302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

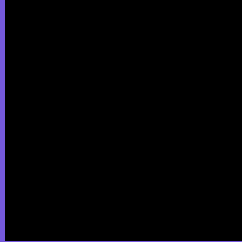
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 47, 76.825, 304.302

Background



This preview shows how black text looks on a background with the CIELCh color 47, 76.825, 304.302.



This preview shows how white text looks on a background with the CIELCh color 47, 76.825, 304.302.

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, 76.825, 304.302

Protanopia
47, 71.513, 287.569

Deuteranopia
47, 51.372, 275.820



Tritanopia
47, 10.206, 230.246

Trichromacy



Original Color
47, 76.825, 304.302

Protanomaly
46, 73.879, 291.404

Deuteranomaly
46, 60.257, 285.945

Tritanomaly
46, 32.085, 291.530

Monochromacy



Original Color
47, 76.825, 304.302

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 28.216, 300.948

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 76.825, 304.302 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(117, 89, 220)` looks like.

```
.text, #text, p{  
    color:rgb(117, 89, 220)  
}
```

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(117, 89, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 89, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 76.825, 304.302 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(117, 89, 220) }
```

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

```
.border{ border-color:rgb(117, 89, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 89, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 89, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 89, 220);  
box-shadow:4px 4px 4px 4px rgb(117, 89,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 76.825, 304.302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 89, 220) }
```

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

```
.background{ background-color: rgb(117, 89,  
220) }
```

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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