

Converting Colors

CIELCh(48, 78.463, 306.952)

Have a look what the booklet for
CIELCh(48, 78.463, 306.952)
contains.

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Color

CIELCh(48, 78.463, 306.952)

Conversions

Conversions Part 1

Format	Color
Hex	8157DD
RGB	129, 87, 221
RGB Percent	51%, 34%, 87%
CMY	0.4928, 0.6577, 0.1320
CMYK	0.42, 0.61, 0.00, 0.13
HSL	259°, 67%, 61%
HSV	259°, 61%, 87%
XYZ	25.6304, 16.7945, 70.5290
YIQ	114.8340, -17.9820, 50.5780

Conversions

Conversions Part 2

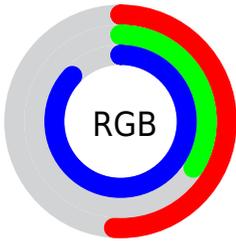
Format	Color
R_{YB}	129, 87, 221
Decimal	8476637
CIE _{Lab}	48.00, 47.17, -62.70
CIE _{LCh}	48, 78.463, 306.952
Yxy	16.7945, 0.2269, 0.1487
Android (android.graphics.Color)	4286666717 (0xFF8157DD)
YUV	114.8340, 52.3398, 12.4236
Hunter-Lab	40.9810, 39.9210, -73.3522

Details

The CIELCh color **48, 78.463, 306.952** 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, 68.328, 119.164**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 65.625, 308.711**, and **28, 78.450, 307.001** is the 20% darker color. If you saturate the color by 10%, you get **42, 91.357, 307.768**, and if you desaturate by 10%, it is **54, 64.981, 306.062**.

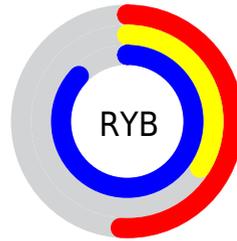
Distribution



Red (51%)

Green (34%)

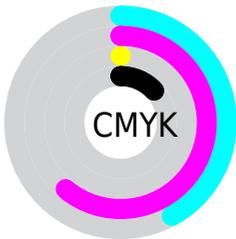
Blue (87%)



Red (51%)

Yellow (34%)

Blue (87%)

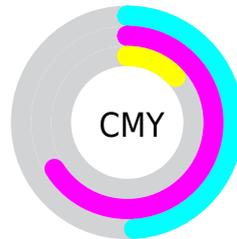


Cyan (42%)

Magenta (61%)

Yellow (0%)

Black (13%)



Cyan (49%)

Magenta (66%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 78.463, 306.952 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 48, 78.463, 306.952 by changing the saturation by 10% instead.

 48, 78.463,
306.952

 48, 78.463,
306.952

 100, 78.463,
306.952

 38, 78.463,
306.952

 68, 78.463,
306.952

 28, 78.463,
306.952

 78, 78.463,
306.952

 18, 78.463,
306.952

 88, 78.463,
306.952

 8, 78.463, 306.952

 98, 78.463,
306.952

 0, 78.463, 306.952

 48, 78.463,

 48, 78.463,

306.952

306.952

■ 42, 91.357,
307.768

■ 54, 64.981,
306.062

■ 37, 102.754,
308.372

■ 61, 51.454,
305.179

■ 33, 111.415,
308.588

■ 68, 38.163,
304.352

■ 31, 116.573,
308.399

■ 74, 25.243,
303.600

■ 81, 12.743,
302.928

■ 88, 0.675, 302.259

■ 95, 10.970,
121.837

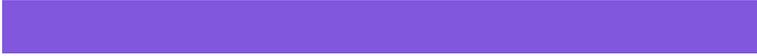
■ 99, 17.112,
113.965

 99, 17.028,
108.890

Harmonies

Complementary

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



48, 78.463, 306.952



83, 68.328, 119.164

Rectangle

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



48, 78.463, 306.952



48, 78.463, 356.952



48, 78.463, 126.952



48, 78.463, 176.952

Sweetspot

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



48, 78.462, 306.953



86, 24.684, 303.430



70, 32.725, 240.716



44, 17.240, 303.636



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 78.462, 306.953



47, 105.731, 307.980



56, 79.654, 321.221



42, 6.785, 302.857



23, 96.967, 308.551



3, 30.232, 302.816

Inverse Universe

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



58, 66.089, 339.950



61, 83.985, 341.549



80, 78.120, 135.191



43, 6.421, 335.463



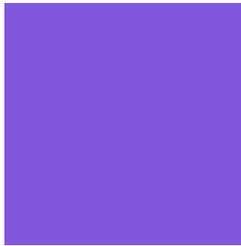
38, 68.603, 345.795



6, 27.775, 342.038

Previews

White Background



This preview shows how the CIELCh color 48, 78.463, 306.952 looks on a white background.

Color Contrast Check

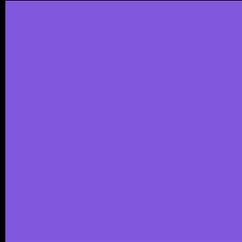
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 78.463, 306.952 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 48, 78.463, 306.952

Background



This preview shows how black text looks on a background with the CIELCh color 48, 78.463, 306.952.



This preview shows how white text looks on a background with the CIELCh color 48, 78.463, 306.952.

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
48, 6.264, 257.338

Trichromacy



Original Color
48, 78.463, 306.952

Protanomaly
47, 74.750, 291.687

Deuteranomaly
46, 61.766, 286.897

Tritanomaly
47, 32.205, 299.734

Monochromacy



Original Color
48, 78.463, 306.952

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 29.574, 304.136

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 78.463, 306.952 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(129, 87, 221)` looks like.

```
.text, #text, p{  
    color:rgb(129, 87, 221)  
}
```

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(129, 87, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 87, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 78.463, 306.952 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(129, 87, 221) }
```

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

```
.border{ border-color:rgb(129, 87, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 87, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 87, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 87, 221);  
box-shadow:4px 4px 4px 4px rgb(129, 87,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 78.463, 306.952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 87, 221) }
```

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

```
.background{ background-color: rgb(129, 87,  
221) }
```

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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