

Converting Colors

CIELCh(48, 96.212, 306.064)

Have a look what the booklet for
CIELCh(48, 96.212, 306.064)
contains.

CIELCh(48, 96.076, 305.985)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(48, 96.076, 305.985)

Conversions

Conversions Part 1

Format	Color
Hex	7A51F8
RGB	122, 81, 248
RGB Percent	48%, 32%, 97%
CMY	0.5216, 0.6824, 0.0275
CMYK	0.51, 0.67, 0.00, 0.03
HSL	255°, 92%, 65%
HSV	255°, 67%, 97%
XYZ	27.9044, 16.7945, 90.5617
YIQ	112.2970, -29.1710, 60.6290

Conversions

Conversions Part 2

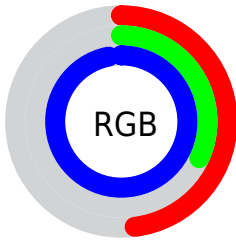
Format	Color
R _Y B	122, 81, 248
Decimal	8016376
CIE Lab	48.00, 56.45, -77.74
CIE LCh	48, 96.076, 305.985
Yxy	16.7945, 0.2063, 0.1242
Android (android.graphics.Color)	4286206456 (0xFF7A51F8)
YUV	112.2970, 66.9016, 8.5095
Hunter-Lab	40.9810, 49.8258, -102.3349

Details

The CIELCh color **48, 96.076, 305.985** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **92, 80.486, 116.009**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 69.142, 308.749**, and **28, 95.995, 305.958** is the 20% darker color. If you saturate the color by 10%, you get **42, 109.577, 306.925**, and if you desaturate by 10%, it is **55, 81.353, 304.895**.

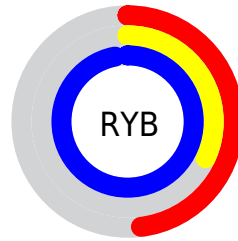
Distribution



Red (48%)

Green (32%)

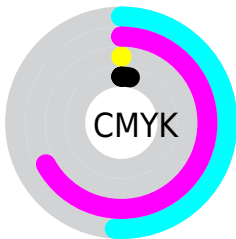
Blue (97%)



Red (48%)

Yellow (32%)

Blue (97%)

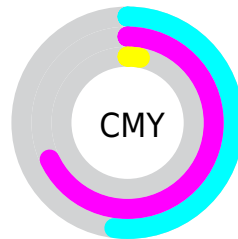


Cyan (51%)

Magenta (67%)

Yellow (0%)

Black (3%)



Cyan (52%)


Magenta (68%)


Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 96.076, 305.985 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, 96.076, 305.985 by changing the saturation by 10% instead.


 48, 96.076,
305.985


 48, 96.076,
305.985


 100, 96.076,
305.985


 38, 96.076,
305.985

 68, 96.076,
305.985


 28, 96.076,
305.985

 78, 96.076,
305.985

 18, 96.076,
305.985

 88, 96.076,
305.985

 8, 96.076, 305.985

 98, 96.076,
305.985

 0, 96.076, 305.985

 48, 96.076,

 48, 96.076,

305.985

■ 42, 109.577,
306.925

■ 37, 120.434,
307.515

■ 34, 127.167,
307.568

■ 33, 128.503,
307.548

305.985

■ 55, 81.353,
304.895

■ 62, 66.323,
303.789

■ 69, 51.469,
302.744

■ 77, 37.014,
301.795

■ 84, 23.045,
300.952

■ 92, 9.581, 300.213

■ 100, 3.387,
119.588

■ 100, 3.549,
109.891

Harmonies

Complementary

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



48, 96.076, 305.985



92, 80.486, 116.009

Rectangle

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



48, 96.076, 305.985



48, 96.076, 355.985



48, 96.076, 125.985



48, 96.076, 175.985

Sweetspot

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



48, 96.076, 305.986



85, 27.320, 301.168



79, 37.502, 231.678



43, 18.737, 301.402



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, 96.076, 305.986



41, 116.516, 307.201



57, 94.905, 319.260



48, 7.492, 300.365



24, 104.472, 307.677



4, 42.685, 305.942

Inverse Universe

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



62, 81.630, 337.334



60, 92.164, 338.793



88, 91.706, 133.244



49, 7.506, 332.762



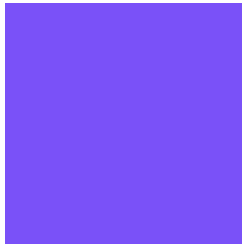
42, 76.336, 341.083



11, 35.314, 339.078

Previews

White Background



This preview shows how the CIELCh color 48, 96.076, 305.985 looks on a white background.

Color Contrast Check

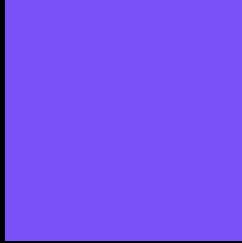
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 96.076, 305.985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

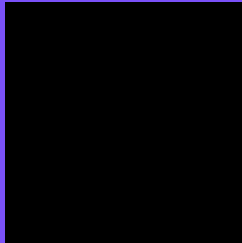
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 48, 96.076, 305.985

Background



This preview shows how black text looks on a background with the CIELCh color 48, 96.076, 305.985.



This preview shows how white text looks on a background with the CIELCh color 48, 96.076, 305.985.

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

48, 96.076, 305.985

Protanopia

48, 71.914, 287.379

Deuteranopia

48, 51.340, 275.312



Tritanopia
48, 12.819, 222.904

Trichromacy



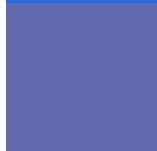
Original Color
48, 96.076, 305.985



Protanomaly
46, 81.067, 293.431



Deuteranomaly
46, 67.545, 289.193



Tritanomaly
47, 39.677, 292.670

Monochromacy



Original Color
48, 96.076, 305.985



Achromatopsia
47, 0.006, 296.813



Achromatomaly
46, 36.090, 302.776

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 96.076, 305.985 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(122, 81, 248)` looks like.

```
.text, #text, p{  
    color:rgb(122, 81, 248)  
}
```

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(122, 81, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 81, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 96.076, 305.985 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(122, 81, 248) }
```

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

```
.border{ border-color:rgb(122, 81, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 81, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 81, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 81, 248);  
box-shadow:4px 4px 4px 4px rgb(122, 81,  
248) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 96.076, 305.985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 81, 248) }
```

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

```
.background{ background-color: rgb(122, 81,  
248) }
```

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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