

Converting Colors

CIELCh(48, 97.349, 306.523)

Have a look what the booklet for
CIELCh(48, 97.349, 306.523)
contains.

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Color

CIELCh(48, 97.620, 306.507)

Conversions

Conversions Part 1

Format	Color
Hex	7C4FF9
RGB	124, 79, 249
RGB Percent	49%, 31%, 98%
CMY	0.5125, 0.6892, 0.0224
CMYK	0.50, 0.68, 0.00, 0.02
HSL	256°, 94%, 64%
HSV	256°, 68%, 98%
XYZ	28.3157, 16.7945, 91.6108
YIQ	111.8350, -27.7500, 62.4100

Conversions

Conversions Part 2

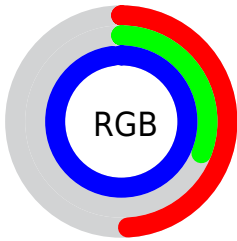
Format	Color
R_{YB}	124, 79, 249
Decimal	8146937
CIE _{Lab}	48.00, 58.08, -78.47
CIE _{LCh}	48, 97.620, 306.507
Yxy	16.7945, 0.2071, 0.1228
Android (android.graphics.Color)	4286337017 (0xFF7C4FF9)
YUV	111.8350, 67.6223, 10.6687
Hunter-Lab	40.9810, 51.6170, -103.8527

Details

The CIELCh color **48, 97.620, 306.507** is a dark color, and the websafe version is hex **9966FF**. The color can be described as middle washed purple. A complement of this color would be **92, 81.934, 116.877**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 70.434, 309.583**, and **28, 97.494, 306.515** is the 20% darker color. If you saturate the color by 10%, you get **42, 110.889, 307.348**, and if you desaturate by 10%, it is **55, 82.990, 305.496**.

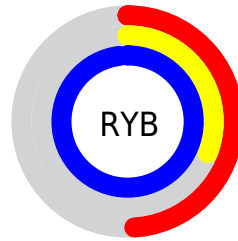
Distribution



Red (49%)

Green (31%)

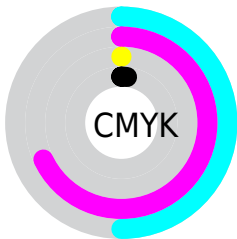
Blue (98%)



Red (49%)

Yellow (31%)

Blue (98%)

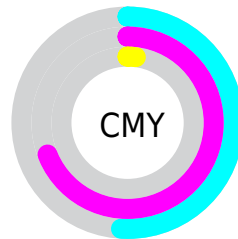


Cyan (50%)

Magenta (68%)

Yellow (0%)

Black (2%)



Cyan (51%)


Magenta (69%)

Yellow (2%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 97.620, 306.507 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, 97.620, 306.507 by changing the saturation by 10% instead.


 48, 97.620,
306.507


 48, 97.620,
306.507


 100, 97.620,
306.507


 38, 97.620,
306.507

 68, 97.620,
306.507


 28, 97.620,
306.507

 78, 97.620,
306.507

 18, 97.620,
306.507


 88, 97.620,
306.507

 8, 97.620, 306.507

 98, 97.620,
306.507

 0, 97.620, 306.507

 48, 97.620,

 48, 97.620,

306.507

306.507

■ 42, 110.889,
307.348

■ 55, 82.990,
305.496

■ 38, 121.369,
307.822

■ 62, 67.954,
304.450

■ 34, 127.748,
307.772

■ 69, 53.032,
303.450

■ 34, 128.650,
307.750

■ 77, 38.476,
302.534

■ 84, 24.388,
301.716

■ 92, 10.798,
300.996

■ 99, 2.299, 120.393

■ 100, 2.883,
109.936

Harmonies

Complementary

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



48, 97.620, 306.507



92, 81.934, 116.877

Rectangle

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



48, 97.620, 306.507



48, 97.620, 356.507



48, 97.620, 126.507



48, 97.620, 176.507

Sweetspot

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



48, 97.620, 306.508



85, 27.373, 301.857



78, 38.078, 234.760



43, 18.772, 302.082



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, 97.620, 306.508



41, 117.382, 307.587



58, 96.294, 319.784



48, 7.509, 301.083



25, 104.164, 307.888



4, 42.739, 306.394

Inverse Universe

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



62, 81.628, 338.378



59, 91.408, 340.002



88, 93.455, 133.613



49, 7.402, 333.510



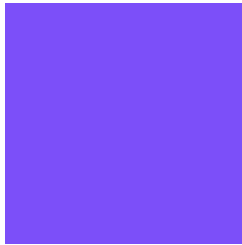
42, 75.311, 342.410



10, 34.881, 340.167

Previews

White Background



This preview shows how the CIELCh color 48, 97.620, 306.507 looks on a white background.

Color Contrast Check

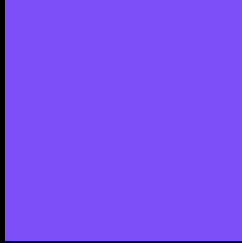
Large Text (above 18pt) WCAG AA ✓ Pass

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, 97.620, 306.507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

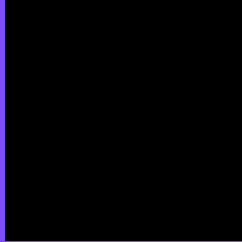
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 97.620, 306.507

Background



This preview shows how black text looks on a background with the CIELCh color 48, 97.620, 306.507.

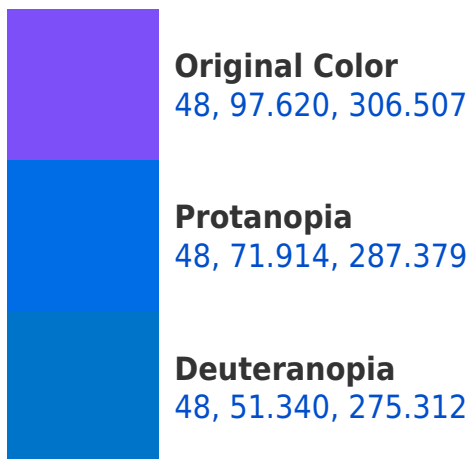



This preview shows how white text looks on a background with the CIELCh color 48, 97.620, 306.507.

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, 11.872, 228.429

Trichromacy



Original Color
48, 97.620, 306.507



Protanomaly
46, 82.229, 293.902



Deuteranomaly
46, 68.082, 289.458



Tritanomaly
47, 40.291, 294.510

Monochromacy



Original Color
48, 97.620, 306.507



Achromatopsia
47, 0.006, 296.813



Achromatomaly
46, 37.334, 303.132

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 97.620, 306.507 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(124, 79, 249)` looks like.

```
.text, #text, p{  
    color:rgb(124, 79, 249)  
}
```

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(124, 79, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 79, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 97.620, 306.507 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(124, 79, 249) }
```

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

```
.border{ border-color:rgb(124, 79, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 79, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 79, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 79, 249);  
box-shadow:4px 4px 4px 4px rgb(124, 79,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 97.620, 306.507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 79, 249) }
```

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

```
.background{ background-color: rgb(124, 79,  
249) }
```

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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