

Converting Colors

CIELCh(48, 99.982, 311.971)

Have a look what the booklet for
CIELCh(48, 99.982, 311.971)
contains.

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Color

CIELCh(48, 99.805, 311.910)

Conversions

Conversions Part 1

Format	Color
Hex	9642F2
RGB	150, 66, 242
RGB Percent	59%, 26%, 95%
CMY	0.4117, 0.7411, 0.0509
CMYK	0.38, 0.73, 0.00, 0.05
HSL	269°, 87%, 60%
HSV	269°, 73%, 95%
XYZ	30.5574, 16.7945, 85.6447
YIQ	111.1800, -6.4320, 72.5440

Conversions

Conversions Part 2

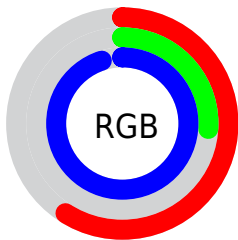
Format	Color
R_{YB}	150, 66, 242
Decimal	9847538
CIE _{Lab}	48.00, 66.67, -74.27
CIE _{LCh}	48, 99.805, 311.910
Yxy	16.7945, 0.2298, 0.1263
Android (android.graphics.Color)	4288037618 (0xFF9642F2)
YUV	111.1800, 64.4943, 34.0451
Hunter-Lab	40.9810, 61.3814, -95.2212

Details

The CIELCh color **48, 99.805, 311.910** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **88, 88.592, 125.526**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 77.540, 316.805**, and **29, 98.337, 311.593** is the 20% darker color. If you saturate the color by 10%, you get **43, 110.206, 311.983**, and if you desaturate by 10%, it is **54, 87.256, 311.572**.

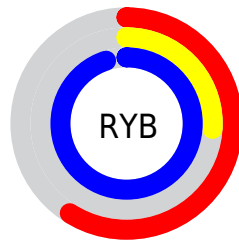
Distribution



Red (59%)

Green (26%)

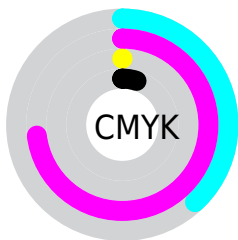
Blue (95%)



Red (59%)

Yellow (26%)

Blue (95%)

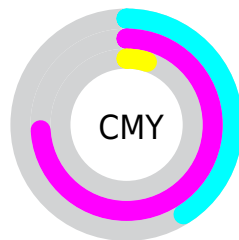


Cyan (38%)

Magenta (73%)

Yellow (0%)

Black (5%)



Cyan (41%)


Magenta (74%)


Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 99.805, 311.910 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, 99.805, 311.910 by changing the saturation by 10% instead.


 48, 99.805,
311.910


 48, 99.805,
311.910


 100, 99.805,
311.910


 38, 99.805,
311.910

 68, 99.805,
311.910


 28, 99.805,
311.910

 78, 99.805,
311.910

 18, 99.805,
311.910

 88, 99.805,
311.910

 8, 99.805, 311.910

 98, 99.805,
311.910

 0, 99.805, 311.910

 48, 99.805,

 48, 99.805,

311.910

311.910

■ 43, 110.206,
311.983

■ 54, 87.256,
311.572

■ 40, 117.451,
311.665

■ 60, 73.513,
311.081

■ 38, 120.756,
311.203

■ 66, 59.264,
310.520

■ 73, 44.949,
309.943

■ 80, 30.820,
309.385

■ 87, 17.014,
308.860

■ 94, 3.594, 308.357

■ 99, 6.727, 121.185

100, 6.573,
109.675

Harmonies

Complementary

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



48, 99.805, 311.910



88, 88.592, 125.526

Rectangle

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



48, 99.805, 311.910



48, 99.805, 1.910



48, 99.805, 131.910



48, 99.805, 181.910

Sweetspot

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



48, 99.805, 311.910



84, 31.103, 309.349



64, 49.046, 269.024



43, 20.975, 309.497



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, 99.805, 311.910



44, 118.523, 311.894



60, 98.989, 326.764



46, 7.504, 308.698



28, 97.971, 311.398



5, 39.543, 311.344

Inverse Universe

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



57, 73.686, 351.866



57, 83.233, 355.874



85, 100.620, 137.331



47, 6.160, 343.184



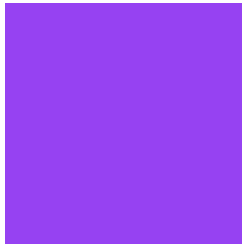
40, 66.513, 359.838



8, 29.670, 353.834

Previews

White Background



This preview shows how the CIELCh color 48, 99.805, 311.910 looks on a white background.

Color Contrast Check

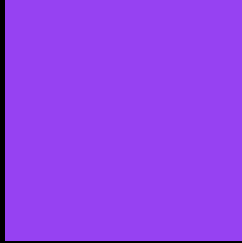
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.805, 311.910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

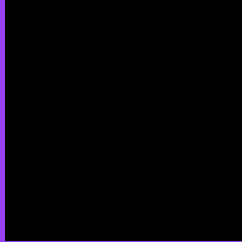
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 99.805, 311.910

Background



This preview shows how black text looks on a background with the CIELCh color 48, 99.805, 311.910.

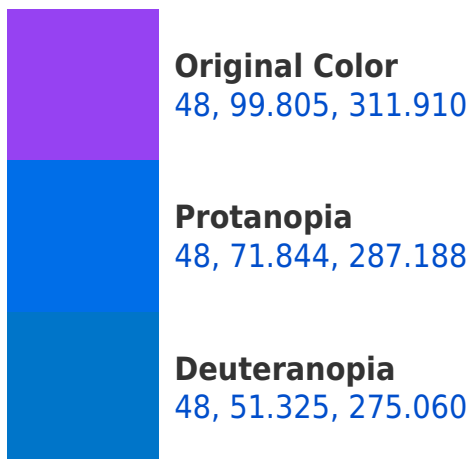


This preview shows how white text looks on a background with the CIELCh color 48, 99.805, 311.910.

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, 7.405, 340.804

Trichromacy



Original Color
48, 99.805, 311.910



Protanomaly
45, 83.511, 295.535



Deuteranomaly
45, 69.951, 292.001



Tritanomaly
46, 42.978, 313.234

Monochromacy



Original Color
48, 99.805, 311.910



Achromatopsia
47, 0.006, 296.813



Achromatomaly
46, 39.513, 310.038

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 99.805, 311.910 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(150, 66, 242)` looks like.

```
.text, #text, p{  
    color:rgb(150, 66, 242)  
}
```

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(150, 66, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 66, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 99.805, 311.910 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(150, 66, 242) }
```

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

```
.border{ border-color:rgb(150, 66, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 66, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 66, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 66, 242);  
box-shadow:4px 4px 4px 4px rgb(150, 66,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 99.805, 311.910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 66, 242) }
```

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

```
.background{ background-color: rgb(150, 66,  
242) }
```

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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