

Converting Colors

CIELCh(50, 101.054, 310.707)

Have a look what the booklet for
CIELCh(50, 101.054, 310.707)
contains.

CIELCh(50, 100.796, 310.692)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(50, 100.796, 310.692)

Conversions

Conversions Part 1

Format	Color
Hex	974AFC
RGB	151, 74, 252
RGB Percent	59%, 29%, 99%
CMY	0.4090, 0.7109, 0.0130
CMYK	0.40, 0.71, 0.00, 0.01
HSL	266°, 96%, 64%
HSV	266°, 71%, 99%
XYZ	32.6573, 18.4187, 93.6770
YIQ	117.3150, -11.2460, 71.6820

Conversions

Conversions Part 2

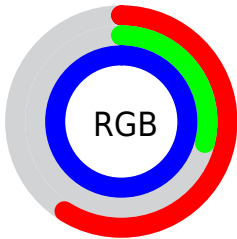
Format	Color
R _Y B	151, 74, 252
Decimal	9915132
CIE Lab	50.00, 65.72, -76.43
CIE LCh	50, 100.796, 310.692
Yxy	18.4187, 0.2256, 0.1272
Android (android.graphics.Color)	4288105212 (0xFF974AFC)
YUV	117.3150, 66.3997, 29.5417
Hunter-Lab	42.9170, 60.7235, -99.3734

Details

The CIELCh color **50, 100.796, 310.692** 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 **91, 88.394, 123.850**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **67, 73.544, 316.379**, and **30, 100.668, 310.702** is the 20% darker color. If you saturate the color by 10%, you get **45, 112.387, 310.924**, and if you desaturate by 10%, it is **56, 87.262, 310.219**.

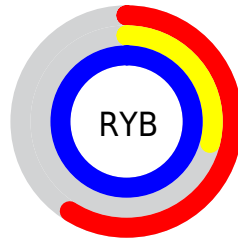
Distribution



Red (59%)

Green (29%)

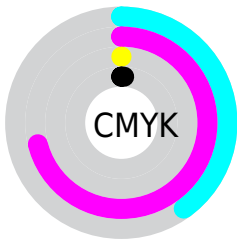
Blue (99%)



Red (59%)

Yellow (29%)

Blue (99%)

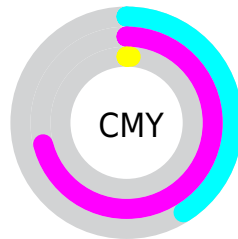


Cyan (40%)

Magenta (71%)

Yellow (0%)

Black (1%)



Cyan (41%)


Magenta (71%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 100.796, 310.692 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 50, 100.796, 310.692 by changing the saturation by 10% instead.


 50, 100.796,
310.692


 50, 100.796,
310.692


 100, 100.796,
310.692


 40, 100.796,
310.692


 70, 100.796,
310.692


 30, 100.796,
310.692


 80, 100.796,
310.692

 20, 100.796,
310.692

 90, 100.796,
310.692

 10, 100.796,
310.692

 0, 100.796,
310.692

 50, 100.796,

 50, 100.796,

310.692

310.692

■ 45, 112.387,
310.924

■ 56, 87.262,
310.219

■ 41, 120.880,
310.775

■ 63, 72.757,
309.622

■ 38, 125.627,
310.264

■ 69, 57.933,
308.981

■ 77, 43.179,
308.346

■ 84, 28.707,
307.747

■ 91, 14.621,
307.195

■ 98, 0.965, 306.592

■ 100, 1.664,
110.007

Harmonies

Complementary

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



50, 100.796, 310.692



91, 88.394, 123.850

Rectangle

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



50, 100.796, 310.692



50, 100.796, 0.692



50, 100.796, 130.692



50, 100.796, 180.692

Sweetspot

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



50, 100.796, 310.693



85, 29.430, 307.764



70, 45.851, 261.892



43, 20.001, 307.926



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 100.796, 310.693



44, 117.681, 310.914



62, 100.071, 325.100



48, 7.700, 307.131



28, 100.963, 310.456



5, 43.153, 310.764

Inverse Universe

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



60, 76.291, 348.418



57, 84.137, 351.732



88, 100.807, 136.758



49, 6.574, 340.893



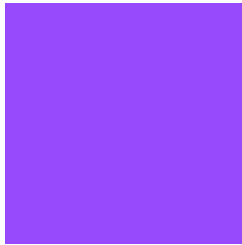
41, 68.769, 355.810



10, 31.848, 351.076

Previews

White Background



This preview shows how the CIELCh color 50, 100.796, 310.692 looks on a white background.

Color Contrast Check

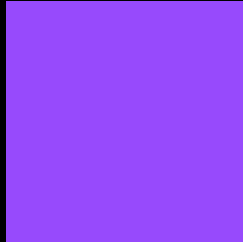
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 50, 100.796, 310.692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

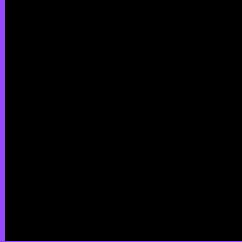
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 100.796, 310.692

Background



This preview shows how black text looks on a background with the CIELCh color 50, 100.796, 310.692.

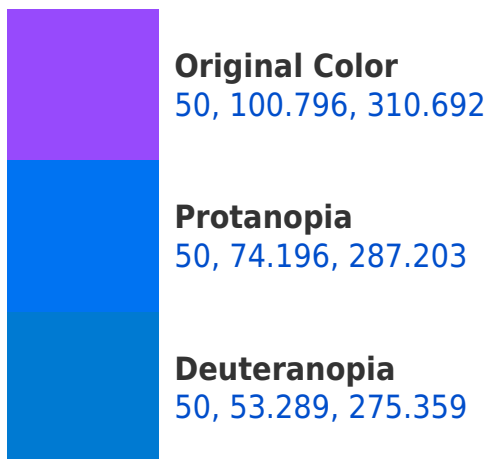


This preview shows how white text looks on a background with the CIELCh color 50, 100.796, 310.692.

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
50, 5.994, 318.417

Trichromacy



Original Color
50, 100.796, 310.692



Protanomaly
48, 85.165, 294.886



Deuteranomaly
47, 71.163, 291.161



Tritanomaly
49, 42.623, 309.719

Monochromacy



Original Color
50, 100.796, 310.692



Achromatopsia
49, 0.007, 296.813



Achromatomaly
48, 39.606, 308.759

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 100.796, 310.692 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(151, 74, 252)` looks like.

```
.text, #text, p{  
    color:rgb(151, 74, 252)  
}
```

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(151, 74, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 74, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 100.796, 310.692 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(151, 74, 252) }
```

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

```
.border{ border-color:rgb(151, 74, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 74, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 74, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 74, 252);  
box-shadow:4px 4px 4px 4px rgb(151, 74,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 100.796, 310.692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 74, 252) }
```

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

```
.background{ background-color: rgb(151, 74,  
252) }
```

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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