

Converting Colors

CIELCh(52, 100.194, 312.452)

Have a look what the booklet for
CIELCh(52, 100.194, 312.452)
contains.

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Color

CIELCh(52, 99.923, 312.380)

Conversions

Conversions Part 1

Format	Color
Hex	A44CFD
RGB	164, 76, 253
RGB Percent	64%, 30%, 99%
CMY	0.3570, 0.7021, 0.0080
CMYK	0.35, 0.70, 0.00, 0.01
HSL	270°, 98%, 64%
HSV	270°, 70%, 99%
XYZ	35.6111, 20.1443, 94.9152
YIQ	122.4900, -4.3690, 73.7030

Conversions

Conversions Part 2

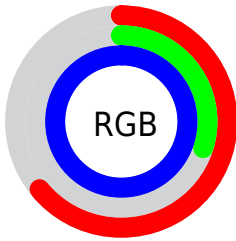
Format	Color
RYB	164, 76, 253
Decimal	10767613
CIELab	52.00, 67.35, -73.81
CIELCh	52, 99.923, 312.380
Yxy	20.1443, 0.2364, 0.1337
Android (android.graphics.Color)	4288957693 (0xFFA44CFD)
YUV	122.4900, 64.3414, 36.4043
Hunter-Lab	44.8824, 63.0831, -93.9659

Details

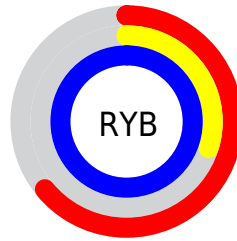
The CIELCh color **52, 99.923, 312.380** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **91, 89.670, 126.209**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 72.731, 319.343**, and **32, 99.827, 312.356** is the 20% darker color. If you saturate the color by 10%, you get **47, 111.221, 312.495**, and if you desaturate by 10%, it is **58, 86.631, 312.030**.

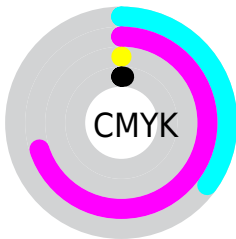
Distribution



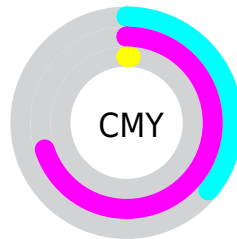
- Red (64%)
- Green (30%)
- Blue (99%)



- Red (64%)
- Yellow (30%)
- Blue (99%)



- Cyan (35%)
- Magenta (70%)
- Yellow (0%)
- Black (1%)





- Cyan (36%)
- Magenta (70%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 99.923, 312.380 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 52, 99.923, 312.380 by changing the saturation by 10% instead.


 52, 99.923,
312.380


 52, 99.923,
312.380


 100, 99.923,
312.380


 42, 99.923,
312.380


 72, 99.923,
312.380

 32, 99.923,
312.380

 82, 99.923,
312.380

 22, 99.923,
312.380

 92, 99.923,
312.380

 12, 99.923,
312.380

 2, 99.923, 312.380

 0, 99.923, 312.380

52, 99.923,
312.380

52, 99.923,
312.380

47, 111.221,
312.495

58, 86.631,
312.030

43, 119.487,
312.253

64, 72.265,
311.545

40, 124.352,
311.617

71, 57.472,
311.003

40, 124.366,
311.615

78, 42.661,
310.450

85, 28.067,
309.915

92, 13.815,
309.413

99, 0.033, 133.184

100, 1.018,
110.026

Harmonies

Complementary

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



52, 99.923, 312.380



91, 89.670, 126.209

Rectangle

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



52, 99.923, 312.380



52, 99.923, 2.380



52, 99.923, 132.380



52, 99.923, 182.380

Sweetspot

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



52, 99.922, 312.380



85, 29.752, 309.969



67, 50.350, 269.943



43, 20.210, 310.115



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



52, 99.922, 312.380



46, 115.702, 312.446



64, 100.158, 327.249



49, 7.926, 309.390



30, 100.594, 311.806



6, 44.903, 312.800

Inverse Universe

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



61, 73.846, 352.671



57, 81.766, 356.520



88, 101.819, 137.806



50, 6.395, 344.255



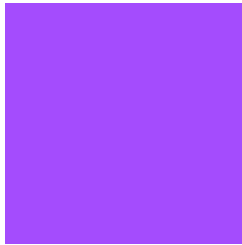
41, 68.277, 1.845



10, 31.896, 356.289

Previews

White Background



This preview shows how the CIELCh color 52, 99.923, 312.380 looks on a white background.

Color Contrast Check

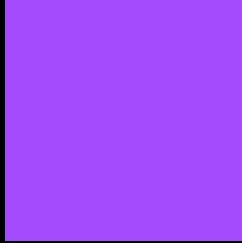
Large Text (above 18pt) WCAG AA ✓ Pass

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 52, 99.923, 312.380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

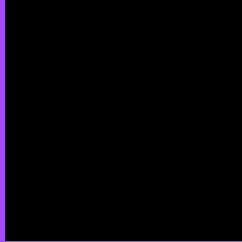
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 99.923, 312.380

Background



This preview shows how black text looks on a background with the CIELCh color 52, 99.923, 312.380.

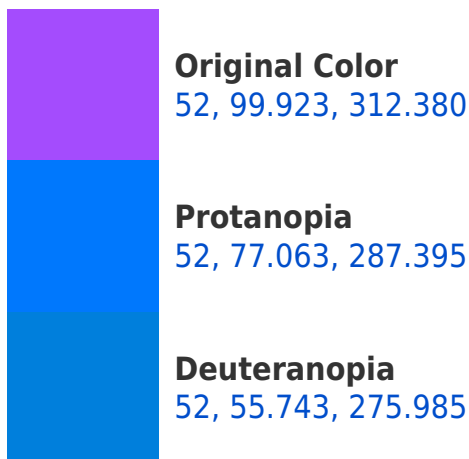


This preview shows how white text looks on a background with the CIELCh color 52, 99.923, 312.380.

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
52, 9.951, 348.996

Trichromacy



Original Color
52, 99.923, 312.380



Protanomaly
49, 86.365, 294.877



Deuteranomaly
49, 72.436, 291.278



Tritanomaly
51, 43.582, 315.629

Monochromacy



Original Color
52, 99.923, 312.380



Achromatopsia
51, 0.007, 296.813



Achromatomaly
50, 39.685, 310.696

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 99.923, 312.380 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(164, 76, 253)` looks like.

```
.text, #text, p{  
    color:rgb(164, 76, 253)  
}
```

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(164, 76, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 76, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 99.923, 312.380 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(164, 76, 253) }
```

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

```
.border{ border-color:rgb(164, 76, 253) }
```

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

Here you see how a box with a 4 pixel rgb(164, 76, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 76, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 76, 253);  
box-shadow:4px 4px 4px 4px rgb(164, 76,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 99.923, 312.380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 76, 253) }
```

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

```
.background{ background-color: rgb(164, 76,  
253) }
```

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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