

Converting Colors

CIELCh(52, 100.400, 312.149)

Have a look what the booklet for
CIELCh(52, 100.400, 312.149)
contains.

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Color

CIELCh(52, 100.428, 312.156)

Conversions

Conversions Part 1

Format	Color
Hex	A34CFE
RGB	163, 76, 254
RGB Percent	64%, 30%, 100%
CMY	0.3603, 0.7016, 0.0035
CMYK	0.36, 0.70, 0.00, 0.00
HSL	269°, 99%, 65%
HSV	269°, 70%, 100%
XYZ	35.6259, 20.1443, 95.8679
YIQ	122.3050, -5.2860, 73.8020

Conversions

Conversions Part 2

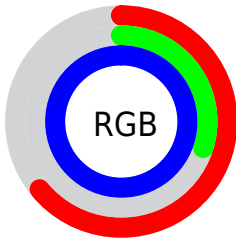
Format	Color
RYB	163, 76, 254
Decimal	10702078
CIELab	52.00, 67.40, -74.45
CIELCh	52, 100.428, 312.156
Yxy	20.1443, 0.2349, 0.1328
Android (android.graphics.Color)	4288892158 (0xFFA34CFE)
YUV	122.3050, 64.9256, 35.6895
Hunter-Lab	44.8824, 63.1418, -95.2244

Details

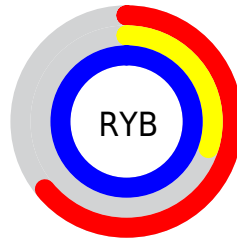
The CIELCh color **52, 100.428, 312.156** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **92, 89.858, 125.915**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 72.651, 319.092**, and **32, 100.389, 312.162** is the 20% darker color. If you saturate the color by 10%, you get **47, 111.810, 312.284**, and if you desaturate by 10%, it is **58, 87.051, 311.792**.

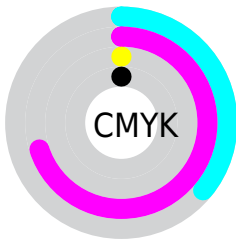
Distribution



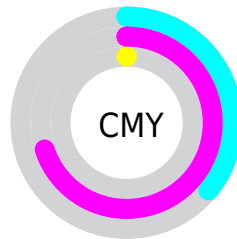
- Red (64%)
- Green (30%)
- Blue (100%)



- Red (64%)
- Yellow (30%)
- Blue (100%)



- Cyan (36%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (70%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 100.428, 312.156 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, 100.428, 312.156 by changing the saturation by 10% instead.


 52, 100.428,
312.156


 52, 100.428,
312.156


 100, 100.428,
312.156


 42, 100.428,
312.156


 72, 100.428,
312.156


 32, 100.428,
312.156


 82, 100.428,
312.156

 22, 100.428,
312.156

 92, 100.428,
312.156

 12, 100.428,
312.156

 2, 100.428,
312.156

 0, 100.428,
312.156

■ 52, 100.428,
312.156

■ 52, 100.428,
312.156

■ 47, 111.810,
312.284

■ 58, 87.051,
311.792

■ 43, 120.139,
312.051

■ 64, 72.607,
311.295

■ 40, 125.022,
311.426

■ 71, 57.749,
310.740

■ 78, 42.885,
310.178

■ 85, 28.247,
309.636

■ 92, 13.960,
309.128

■ 100, 0.080,
306.975

100, 0.440,

Harmonies

Complementary

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



52, 100.428, 312.156



92, 89.858, 125.915

Rectangle

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



52, 100.428, 312.156



52, 100.428, 2.156



52, 100.428, 132.156



52, 100.428, 182.156

Sweetspot

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



52, 100.427, 312.156



85, 29.708, 309.686



67, 50.588, 269.982



43, 20.182, 309.834



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, 100.427, 312.156



45, 115.839, 312.241



64, 100.592, 327.252



49, 7.913, 309.101



30, 100.775, 311.619



6, 44.910, 312.570

Inverse Universe

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



61, 74.428, 352.107



57, 81.989, 355.847



89, 102.268, 137.796



50, 6.431, 343.804



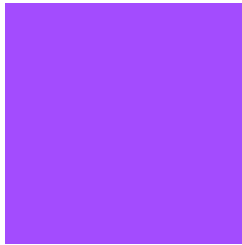
41, 68.379, 1.052



10, 31.979, 355.627

Previews

White Background



This preview shows how the CIELCh color 52, 100.428, 312.156 looks on a white background.

Color Contrast Check

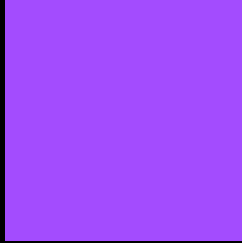
Large Text (above 18pt) WCAG AA ✓ Pass

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, 100.428, 312.156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

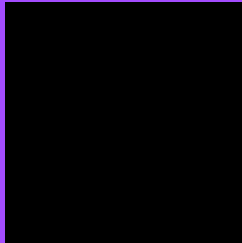
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 100.428, 312.156

Background



This preview shows how black text looks on a background with the CIELCh color 52, 100.428, 312.156.

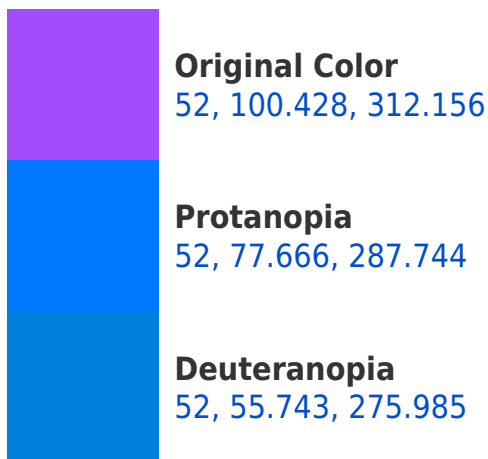



This preview shows how white text looks on a background with the CIELCh color 52, 100.428, 312.156.

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, 9.920, 344.819

Trichromacy



Original Color
52, 100.428, 312.156



Protanomaly
49, 87.004, 295.061



Deuteranomaly
49, 72.454, 291.174



Tritanomaly
51, 44.006, 314.909

Monochromacy



Original Color
52, 100.428, 312.156



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, 100.428, 312.156 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(163, 76, 254)` looks like.

```
.text, #text, p{  
    color:rgb(163, 76, 254)  
}
```

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(163, 76, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 76, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 100.428, 312.156 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(163, 76, 254) }
```

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

```
.border{ border-color:rgb(163, 76, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 76, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 76, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 76, 254);  
box-shadow:4px 4px 4px 4px rgb(163, 76,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 100.428, 312.156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 76, 254) }
```

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

```
.background{ background-color: rgb(163, 76,  
254) }
```

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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