

Converting Colors

CIELCh(52, 96.393, 308.767)

Have a look what the booklet for
CIELCh(52, 96.393, 308.767)
contains.

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Color

CIELCh(52, 96.193, 308.797)

Conversions

Conversions Part 1

Format	Color
Hex	9456FF
RGB	148, 86, 255
RGB Percent	58%, 34%, 100%
CMY	0.4199, 0.6631, 0.0004
CMYK	0.42, 0.66, 0.00, 0.00
HSL	262°, 100%, 67%
HSV	262°, 66%, 100%
XYZ	33.5532, 20.1443, 96.6512
YIQ	123.8040, -17.2970, 65.7030

Conversions

Conversions Part 2

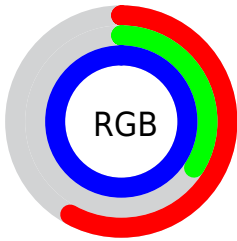
Format	Color
R _{YB}	148, 86, 255
Decimal	9721599
CIE _{Lab}	52.00, 60.27, -74.97
CIE _{LCh}	52, 96.193, 308.797
Y _{xy}	20.1443, 0.2232, 0.1340
Android (android.graphics.Color)	4287911679 (0xFF9456FF)
YUV	123.8040, 64.6796, 21.2199
Hunter-Lab	44.8824, 54.8987, -96.2593

Details

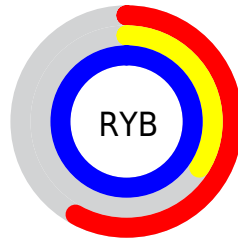
The CIELCh color **52, 96.193, 308.797** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **93, 83.480, 121.263**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 66.784, 314.371**, and **32, 96.254, 308.844** is the 20% darker color. If you saturate the color by 10%, you get **46, 109.377, 309.331**, and if you desaturate by 10%, it is **59, 81.650, 308.092**.

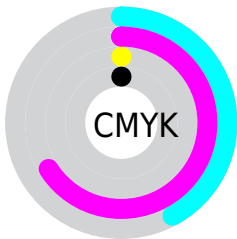
Distribution



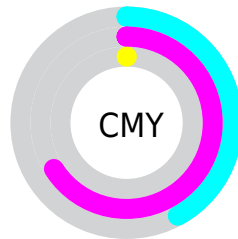
- Red (58%)
- Green (34%)
- Blue (100%)



- Red (58%)
- Yellow (34%)
- Blue (100%)



- Cyan (42%)
- Magenta (66%)
- Yellow (0%)
- Black (0%)





- Cyan (42%)
- Magenta (66%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 96.193, 308.797 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, 96.193, 308.797 by changing the saturation by 10% instead.


 52, 96.193,
308.797


 52, 96.193,
308.797


 100, 96.193,
308.797


 42, 96.193,
308.797


 72, 96.193,
308.797

 32, 96.193,
308.797

 82, 96.193,
308.797

 22, 96.193,
308.797

 92, 96.193,
308.797

 12, 96.193,
308.797

 2, 96.193, 308.797

 0, 96.193, 308.797

52, 96.193,
308.797

52, 96.193,
308.797

46, 109.377,
309.331

59, 81.650,
308.092

41, 119.983,
309.541

66, 66.606,
307.326

38, 126.770,
309.272

73, 51.565,
306.566

37, 128.553,
309.102

80, 36.798,
305.851

88, 22.434,
305.199

95, 8.525, 304.610

100, 0.034,
107.906

Harmonies

Complementary

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



52, 96.193, 308.797



93, 83.480, 121.263

Rectangle

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



52, 96.193, 308.797



52, 96.193, 358.797



52, 96.193, 128.797



52, 96.193, 178.797

Sweetspot

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



52, 96.193, 308.798



85, 27.713, 305.433



74, 41.331, 253.077



43, 18.995, 305.617



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, 96.193, 308.798



44, 113.713, 309.456



63, 96.339, 323.431



49, 7.742, 304.793



27, 103.351, 309.277



5, 44.859, 309.340

Inverse Universe

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



63, 76.550, 343.630



59, 85.115, 345.930



90, 95.916, 136.203



50, 6.999, 337.786



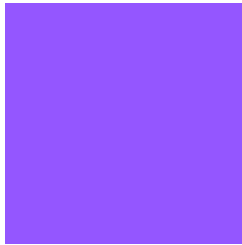
42, 71.488, 350.176



11, 33.711, 346.656

Previews

White Background



This preview shows how the CIELCh color 52, 96.193, 308.797 looks on a white background.

Color Contrast Check

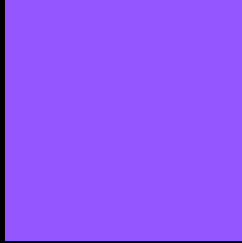
Large Text (above 18pt) WCAG AA ✓ Pass

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, 96.193, 308.797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

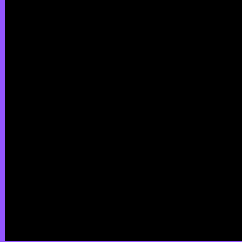
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 96.193, 308.797

Background



This preview shows how black text looks on a background with the CIELCh color 52, 96.193, 308.797.

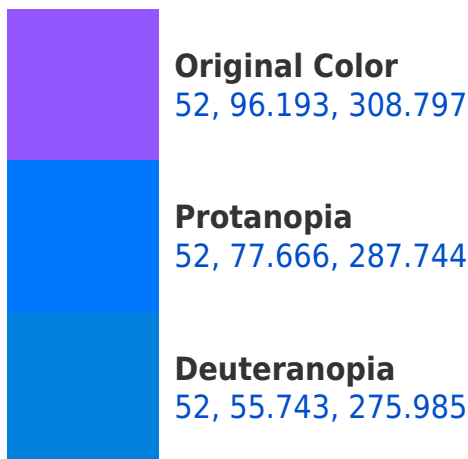



This preview shows how white text looks on a background with the CIELCh color 52, 96.193, 308.797.

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, 5.534, 270.555

Trichromacy



Original Color
52, 96.193, 308.797



Protanomaly
50, 85.129, 293.735



Deuteranomaly
50, 70.614, 289.406



Tritanomaly
51, 39.794, 304.414

Monochromacy



Original Color
52, 96.193, 308.797



Achromatopsia
52, 0.007, 296.813



Achromatomaly
51, 37.155, 306.617

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 96.193, 308.797 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(148, 86, 255)` looks like.

```
.text, #text, p{  
    color:rgb(148, 86, 255)  
}
```

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(148, 86, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 86, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 96.193, 308.797 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(148, 86, 255) }
```

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

```
.border{ border-color:rgb(148, 86, 255) }
```

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

Here you see how a box with a 4 pixel rgb(148, 86, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 86, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 86, 255);  
box-shadow:4px 4px 4px 4px rgb(148, 86,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 96.193, 308.797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 86, 255) }
```

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

```
.background{ background-color: rgb(148, 86,  
255) }
```

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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