

Converting Colors

CIELCh(52, 99.103, 310.280)

Have a look what the booklet for
CIELCh(52, 99.103, 310.280)
contains.

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Color

CIELCh(52, 98.646, 310.406)

Conversions

Conversions Part 1

Format	Color
Hex	9B51FF
RGB	155, 81, 255
RGB Percent	61%, 32%, 100%
CMY	0.3912, 0.6815, 0.0000
CMYK	0.39, 0.68, 0.00, 0.00
HSL	266°, 100%, 66%
HSV	266°, 68%, 100%
XYZ	34.6099, 20.1443, 96.8717
YIQ	122.9620, -11.7500, 69.8020

Conversions

Conversions Part 2

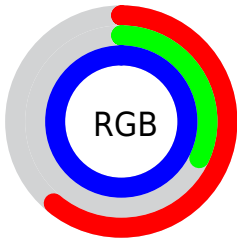
Format	Color
R _Y B	155, 81, 255
Decimal	10179071
CIE Lab	52.00, 63.94, -75.12
CIE LCh	52, 98.646, 310.406
Yxy	20.1443, 0.2283, 0.1329
Android (android.graphics.Color)	4288369151 (0xFF9B51FF)
YUV	122.9620, 65.0947, 28.0973
Hunter-Lab	44.8824, 59.1012, -96.5504

Details

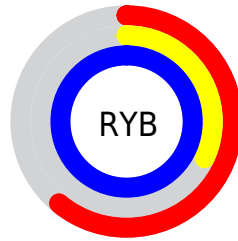
The CIELCh color **52, 98.646, 310.406** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **93, 86.671, 123.593**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 69.684, 316.687**, and **32, 98.681, 310.363** is the 20% darker color. If you saturate the color by 10%, you get **47, 110.895, 310.742**, and if you desaturate by 10%, it is **58, 84.488, 309.890**.

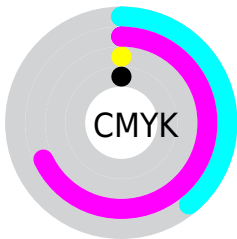
Distribution



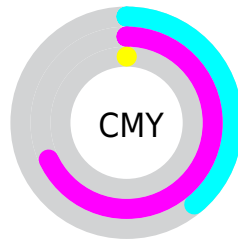
- Red (61%)
- Green (32%)
- Blue (100%)



- Red (61%)
- Yellow (32%)
- Blue (100%)



- Cyan (39%)
- Magenta (68%)
- Yellow (0%)
- Black (0%)





- Cyan (39%)
- Magenta (68%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 98.646, 310.406 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, 98.646, 310.406 by changing the saturation by 10% instead.

 52, 98.646,
310.406

 52, 98.646,
310.406

 100, 98.646,
310.406


 42, 98.646,
310.406


 72, 98.646,
310.406

 32, 98.646,
310.406

 82, 98.646,
310.406

 22, 98.646,
310.406

 92, 98.646,
310.406

 12, 98.646,
310.406

 2, 98.646, 310.406

 0, 98.646, 310.406

52, 98.646,
310.406

52, 98.646,
310.406

47, 110.895,
310.742

58, 84.488,
309.890

42, 120.419,
310.716

65, 69.676,
309.262

39, 126.205,
310.236

72, 54.676,
308.607

39, 127.059,
310.132

79, 39.825,
307.971

87, 25.300,
307.376

94, 11.187,
306.830

100, 0.012,
296.813

Harmonies

Complementary

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



52, 98.646, 310.406



93, 86.671, 123.593

Rectangle

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



52, 98.646, 310.406



52, 98.646, 0.406



52, 98.646, 130.406



52, 98.646, 180.406

Sweetspot

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



52, 98.530, 310.420



85, 27.958, 307.482



71, 44.927, 260.906



43, 19.155, 307.647



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, 98.530, 310.420



45, 114.963, 310.781



63, 98.604, 325.058



49, 7.820, 306.901



28, 102.128, 310.320



5, 44.914, 310.874

Inverse Universe

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



62, 75.513, 347.522



58, 83.365, 350.468



89, 99.155, 136.960



50, 6.714, 340.573



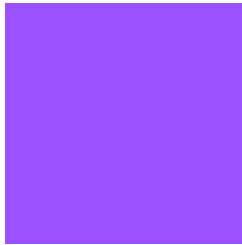
42, 69.617, 355.261



11, 32.756, 350.833

Previews

White Background



This preview shows how the CIELCh color 52, 98.646, 310.406 looks on a white background.

Color Contrast Check

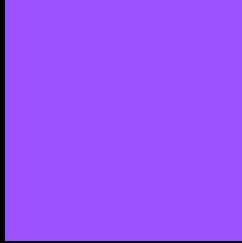
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 52, 98.646, 310.406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

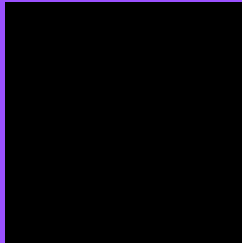
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 98.646, 310.406

Background



This preview shows how black text looks on a background with the CIELCh color 52, 98.646, 310.406.



This preview shows how white text looks on a background with the CIELCh color 52, 98.646, 310.406.

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



Original Color


52, 98.646, 310.406

Protanopia

52, 77.666, 287.744

Deuteranopia

52, 55.743, 275.985



Tritanopia
52, 6.468, 316.019

Trichromacy



Original Color
52, 98.646, 310.406



Protanomaly
50, 86.344, 294.415



Deuteranomaly
49, 71.813, 290.320



Tritanomaly
51, 41.686, 309.369

Monochromacy



Original Color
52, 98.646, 310.406



Achromatopsia
52, 0.007, 296.813



Achromatomaly
50, 38.070, 308.548

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 98.646, 310.406 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(155, 81, 255)` looks like.

```
.text, #text, p{  
    color:rgb(155, 81, 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(155, 81, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 81, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 98.646, 310.406 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(155, 81, 255) }
```

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

```
.border{ border-color:rgb(155, 81, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 81, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 81, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 81, 255);  
box-shadow:4px 4px 4px 4px rgb(155, 81,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 98.646, 310.406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 81, 255) }
```

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

```
.background{ background-color: rgb(155, 81,  
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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