

Converting Colors

CIELCh(54, 109.855, 306.021)

Have a look what the booklet for
CIELCh(54, 109.855, 306.021)
contains.

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Color

CIELCh(52, 94.235, 306.645)

Conversions

Conversions Part 1

Format	Color
Hex	8A5BFF
RGB	138, 91, 255
RGB Percent	54%, 36%, 100%
CMY	0.4588, 0.6437, 0.0000
CMYK	0.46, 0.64, 0.00, 0.00
HSL	257°, 100%, 68%
HSV	257°, 64%, 100%
XYZ	32.4193, 20.1443, 97.6189
YIQ	123.7490, -24.6320, 60.9680

Conversions

Conversions Part 2

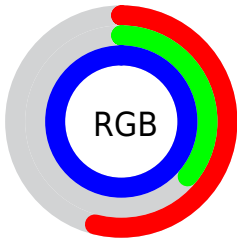
Format	Color
R _{YB}	138, 91, 255
Decimal	9067519
CIE Lab	52.00, 56.24, -75.61
CIE LCh	52, 94.235, 306.645
Yxy	20.1443, 0.2159, 0.1341
Android (android.graphics.Color)	4287257599 (0xFF8A5BFF)
YUV	123.7490, 64.7067, 12.4981
Hunter-Lab	44.8824, 50.3891, -97.5376

Details

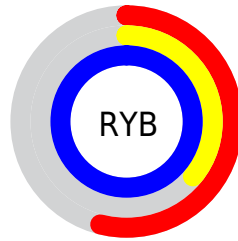
The CIELCh color **52, 94.235, 306.645** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **94, 80.077, 117.926**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 63.099, 310.863**, and **32, 93.685, 306.634** is the 20% darker color. If you saturate the color by 10%, you get **46, 107.782, 307.515**, and if you desaturate by 10%, it is **59, 78.684, 305.710**.

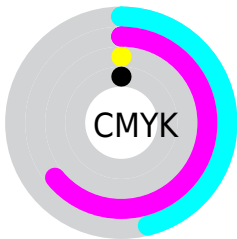
Distribution



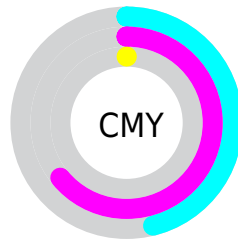
- Red (54%)
- Green (36%)
- Blue (100%)



- Red (54%)
- Yellow (36%)
- Blue (100%)



- Cyan (46%)
- Magenta (64%)
- Yellow (0%)
- Black (0%)





- Cyan (46%)
- Magenta (64%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 94.235, 306.645 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, 94.235, 306.645 by changing the saturation by 10% instead.

 52, 94.235,
306.645

 52, 94.235,
306.645


 100, 94.235,
306.645

 42, 94.235,
306.645


 72, 94.235,
306.645

 32, 94.235,
306.645

 82, 94.235,
306.645

 22, 94.235,
306.645

 92, 94.235,
306.645

 12, 94.235,
306.645

 2, 94.235, 306.645

 0, 94.235, 306.645

■ 52, 94.235,
306.645

■ 52, 94.235,
306.645

■ 46, 107.782,
307.515

■ 59, 78.684,
305.710

■ 40, 119.565,
308.068

■ 66, 63.419,
304.738

■ 37, 127.575,
308.138

■ 74, 48.358,
303.818

■ 35, 130.435,
307.995

■ 81, 33.698,
302.980

■ 89, 19.518,
302.234

■ 97, 5.836, 301.573

■ 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, 94.235, 306.645



94, 80.077, 117.926

Rectangle

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



52, 94.235, 306.645



52, 94.235, 356.645



52, 94.235, 126.645



52, 94.235, 176.645

Sweetspot

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



52, 93.734, 306.673



85, 26.020, 302.568



79, 37.879, 239.258



43, 18.000, 302.784



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, 93.734, 306.673



44, 111.161, 307.697



61, 93.761, 320.779



49, 7.655, 301.903



26, 104.846, 308.144



5, 44.730, 307.413

Inverse Universe

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



64, 78.746, 339.091



60, 87.773, 340.604



90, 91.685, 134.558



50, 7.407, 334.392



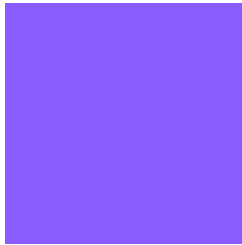
43, 74.929, 344.006



11, 35.286, 341.585

Previews

White Background



This preview shows how the CIELCh color 52, 94.235, 306.645 looks on a white background.

Color Contrast Check

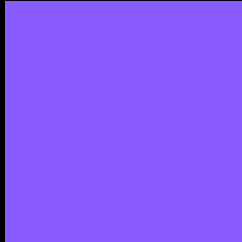
Large Text (above 18pt) WCAG AA ✓ Pass

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, 94.235, 306.645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

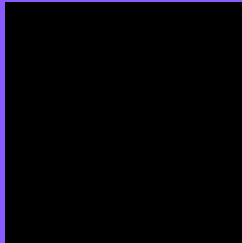
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 94.235, 306.645

Background



This preview shows how black text looks on a background with the CIELCh color 52, 94.235, 306.645.



This preview shows how white text looks on a background with the CIELCh color 52, 94.235, 306.645.

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

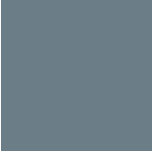
52, 93.652, 306.651

Protanopia

52, 77.132, 287.570

Deuteranopia

52, 55.761, 276.215



Tritanopia
52, 8.991, 239.344

Trichromacy



Original Color
52, 93.652, 306.651



Protanomaly
50, 83.403, 292.790



Deuteranomaly
50, 69.522, 288.492



Tritanomaly
51, 38.636, 297.249

Monochromacy



Original Color
52, 93.652, 306.651



Achromatopsia
52, 0.007, 296.813



Achromatomaly
51, 35.608, 303.659

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 94.235, 306.645 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(138, 91, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 91, 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(138, 91, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 91, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 94.235, 306.645 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(138, 91, 255) }
```

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

```
.border{ border-color:rgb(138, 91, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 91, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 91, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 91, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 91,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 94.235, 306.645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 91, 255) }
```

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

```
.background{ background-color: rgb(138, 91,  
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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