

Converting Colors

CIELCh(52, 92.935, 305.971)

Have a look what the booklet for
CIELCh(52, 92.935, 305.971)
contains.

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Color

CIELCh(52, 92.577, 305.916)

Conversions

Conversions Part 1

Format	Color
Hex	875DFF
RGB	135, 93, 255
RGB Percent	53%, 36%, 100%
CMY	0.4713, 0.6359, 0.0007
CMYK	0.47, 0.64, 0.00, 0.00
HSL	256°, 100%, 68%
HSV	256°, 64%, 100%
XYZ	31.8824, 20.1443, 96.6604
YIQ	124.0260, -26.9700, 59.2860

Conversions

Conversions Part 2

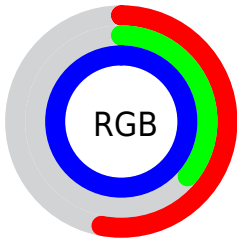
Format	Color
R _Y B	135, 93, 255
Decimal	8871423
CIE Lab	52.00, 54.31, -74.98
CIE LCh	52, 92.577, 305.916
Yxy	20.1443, 0.2144, 0.1355
Android (android.graphics.Color)	4287061503 (0xFF875DFF)
YUV	124.0260, 64.5702, 9.6242
Hunter-Lab	44.8824, 48.2540, -96.2713

Details

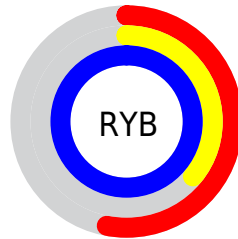
The CIELCh color **52, 92.577, 305.916** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **94, 78.773, 116.704**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 62.316, 309.833**, and **32, 92.417, 305.918** is the 20% darker color. If you saturate the color by 10%, you get **46, 106.903, 306.880**, and if you desaturate by 10%, it is **59, 77.382, 304.855**.

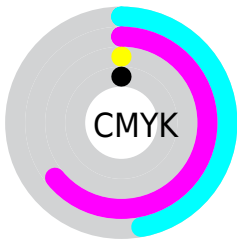
Distribution



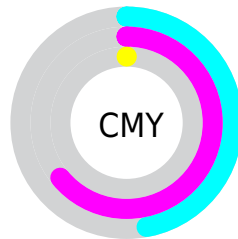
- Red (53%)
- Green (36%)
- Blue (100%)



- Red (53%)
- Yellow (36%)
- Blue (100%)



- Cyan (47%)
- Magenta (64%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (64%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 92.577, 305.916 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, 92.577, 305.916 by changing the saturation by 10% instead.


 52, 92.577,
305.916


 52, 92.577,
305.916


 100, 92.577,
305.916


 42, 92.577,
305.916


 72, 92.577,
305.916

 32, 92.577,
305.916

 82, 92.577,
305.916

 22, 92.577,
305.916

 92, 92.577,
305.916

 12, 92.577,
305.916

 2, 92.577, 305.916

 0, 92.577, 305.916

52, 92.577,
305.916

52, 92.577,
305.916

46, 106.903,
306.880

59, 77.382,
304.855

40, 119.102,
307.570

66, 62.072,
303.804

36, 127.583,
307.782

74, 47.030,
302.825

35, 130.937,
307.678

82, 32.427,
301.941

89, 18.326,
301.159

97, 4.736, 300.470

100, 0.081,
109.224

Harmonies

Complementary

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



52, 92.577, 305.916



94, 78.773, 116.704

Rectangle

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



52, 92.577, 305.916



52, 92.577, 355.916



52, 92.577, 125.916



52, 92.577, 175.916

Sweetspot

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



52, 92.577, 305.917



85, 25.941, 301.571



81, 37.112, 233.522



43, 17.948, 301.800



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, 92.577, 305.917



44, 110.192, 307.081



61, 92.593, 319.730



49, 7.629, 300.869



25, 105.317, 307.815



4, 44.676, 306.780

Inverse Universe

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



65, 79.412, 337.628



61, 88.803, 338.946



90, 89.848, 133.804



50, 7.557, 333.284



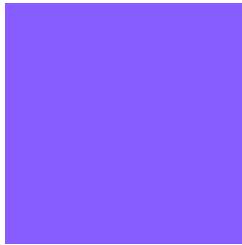
43, 76.361, 342.023



11, 35.912, 339.946

Previews

White Background



This preview shows how the CIELCh color 52, 92.577, 305.916 looks on a white background.

Color Contrast Check

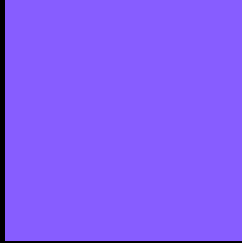
Large Text (above 18pt) WCAG AA ✓ Pass

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, 92.577, 305.916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

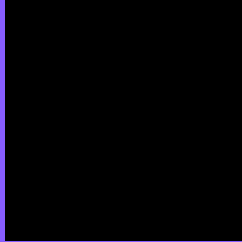
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 92.577, 305.916

Background



This preview shows how black text looks on a background with the CIELCh color 52, 92.577, 305.916.



This preview shows how white text looks on a background with the CIELCh color 52, 92.577, 305.916.

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, 92.577, 305.916

Protanopia
52, 77.666, 287.744

Deuteranopia
52, 55.237, 275.632



Tritanopia
52, 10.657, 235.769

Trichromacy



Original Color
52, 92.577, 305.916



Protanomaly
50, 83.956, 292.841



Deuteranomaly
50, 68.323, 287.629



Tritanomaly
51, 37.919, 294.801

Monochromacy



Original Color
52, 92.577, 305.916



Achromatopsia
52, 0.007, 296.813



Achromatomaly
51, 34.902, 302.653

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 92.577, 305.916 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(135, 93, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 93, 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(135, 93, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 93, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 92.577, 305.916 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(135, 93, 255) }
```

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

```
.border{ border-color:rgb(135, 93, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 93, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 93, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 93, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 93,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 92.577, 305.916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 93, 255) }
```

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

```
.background{ background-color: rgb(135, 93,  
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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