

# Converting Colors

CIELCh(52, 91.520, 304.871)

Have a look what the booklet for  
CIELCh(52, 91.520, 304.871)  
contains.

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**Color**

**CIELCh(52, 91.520, 304.871)**

# Conversions

## Conversions Part 1

Format	Color
Hex	825FFF
RGB	130, 95, 255
RGB Percent	51%, 37%, 100%
CMY	0.4903, 0.6275, 0.0001
CMYK	0.49, 0.63, 0.00, 0.00
HSL	253°, 100%, 69%
HSV	253°, 63%, 100%
XYZ	31.3402, 20.1443, 96.8275
YIQ	123.7050, -30.5000, 57.1800

# Conversions

## Conversions Part 2

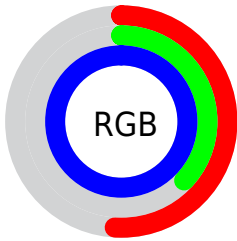
Format	Color
R <sub>Y</sub> B	130, 95, 255
Decimal	8544255
CIE Lab	52.00, 52.32, -75.09
CIE LCh	52, 91.520, 304.871
Yxy	20.1443, 0.2113, 0.1358
Android (android.graphics.Color)	4286734335 (0xFF825FFF)
YUV	123.7050, 64.7284, 5.5207
Hunter-Lab	44.8824, 46.0976, -96.4921

# Details

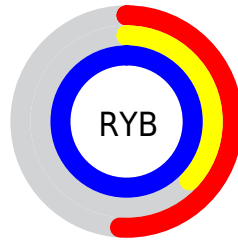
The CIELCh color **52, 91.520, 304.871** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **95, 77.425, 114.904**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 60.876, 308.297**, and **32, 91.253, 304.762** is the 20% darker color. If you saturate the color by 10%, you get **45, 106.185, 306.010**, and if you desaturate by 10%, it is **59, 76.136, 303.662**.

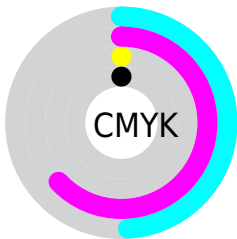
# Distribution



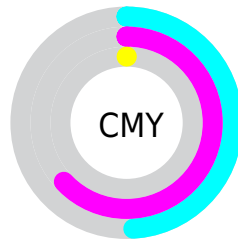
- Red (51%)
- Green (37%)
- Blue (100%)



- Red (51%)
- Yellow (37%)
- Blue (100%)



- Cyan (49%)
- Magenta (63%)
- Yellow (0%)
- Black (0%)




- Cyan (49%)
- Magenta (63%)
- Yellow (0%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 91.520, 304.871 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, 91.520, 304.871 by changing the saturation by 10% instead.





 52, 91.520,  
304.871


 52, 91.520,  
304.871


 100, 91.520,  
304.871


 42, 91.520,  
304.871


 72, 91.520,  
304.871

 32, 91.520,  
304.871

 82, 91.520,  
304.871

 22, 91.520,  
304.871

 92, 91.520,  
304.871

 12, 91.520,  
304.871

 2, 91.520, 304.871

 0, 91.520, 304.871

52, 91.520,  
304.871

52, 91.520,  
304.871

45, 106.185,  
306.010

59, 76.136,  
303.662

40, 118.866,  
306.896

67, 60.752,  
302.493

36, 127.862,  
307.302

74, 45.713,  
301.419

34, 131.741,  
307.286

82, 31.159,  
300.462

90, 17.133,  
299.623

98, 3.633, 298.891

100, 0.002,  
326.153

# Harmonies

# Complementary

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



52, 91.520, 304.871



95, 77.425, 114.904

# Rectangle

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



52, 91.520, 304.871



52, 91.520, 354.871



52, 91.520, 124.871



52, 91.520, 174.871

# Sweetspot

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



52, 91.520, 304.872



85, 25.841, 300.134



82, 36.737, 227.824



43, 17.882, 300.383



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, 91.520, 304.872



44, 109.277, 306.240



61, 91.494, 318.686



49, 7.596, 299.375



25, 105.929, 307.407



4, 44.595, 305.922





# Inverse Universe

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



65, 80.815, 335.691



61, 90.583, 336.781



91, 88.086, 132.996



50, 7.778, 331.770



43, 78.586, 339.354

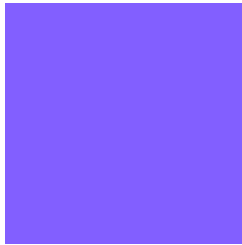


11, 36.863, 337.728



# Previews

## White Background



This preview shows how the CIELCh color 52, 91.520, 304.871 looks on a white background.

## Color Contrast Check

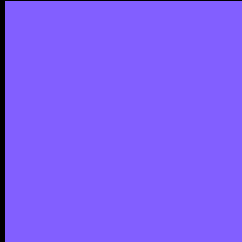
Large Text (above 18pt) WCAG AA ✓ Pass

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, 91.520, 304.871 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

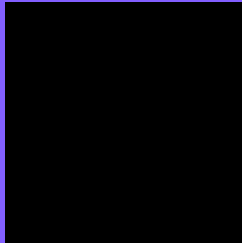
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 52, 91.520, 304.871

## Background



This preview shows how black text looks on a background with the CIELCh color 52, 91.520, 304.871.




This preview shows how white text looks on a background with the CIELCh color 52, 91.520, 304.871.

# 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, 12.642, 225.926



# Trichromacy



**Original Color**  
52, 91.520, 304.871



**Protanomaly**  
51, 83.362, 292.427



**Deuteranomaly**  
50, 68.356, 287.451



**Tritanomaly**  
51, 37.292, 290.914

# Monochromacy



**Original Color**  
52, 91.520, 304.871



**Achromatopsia**  
52, 0.007, 296.813



**Achromatomaly**  
51, 34.821, 301.544

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 52, 91.520, 304.871 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(130, 95, 255)` looks like.

```
.text, #text, p{  
    color:rgb(130, 95, 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(130, 95, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 95, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 52, 91.520, 304.871 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(130, 95, 255) }
```

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

```
.border{ border-color:rgb(130, 95, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 95, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 95, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 95, 255);  
box-shadow:4px 4px 4px 4px rgb(130, 95,  
255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 52, 91.520, 304.871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 95, 255) }
```

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

```
.background{ background-color: rgb(130, 95,  
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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