

Converting Colors

CIELCh(52, 72.479, 312.547)

Have a look what the booklet for
CIELCh(52, 72.479, 312.547)
contains.

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Color

CIELCh(52, 72.479, 312.547)

Conversions

Conversions Part 1

Format	Color
Hex	9E5ED9
RGB	158, 94, 217
RGB Percent	62%, 37%, 85%
CMY	0.3821, 0.6330, 0.1508
CMYK	0.27, 0.57, 0.00, 0.15
HSL	271°, 62%, 61%
HSV	271°, 57%, 85%
XYZ	30.4466, 20.1443, 67.6238
YIQ	127.1580, -1.3390, 51.8210

Conversions

Conversions Part 2

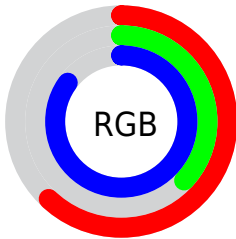
Format	Color
R _{YB}	158, 94, 217
Decimal	10378969
CIE _{Lab}	52.00, 49.01, -53.40
CIE _{LCh}	52, 72.479, 312.547
Y _{xy}	20.1443, 0.2576, 0.1704
Android (android.graphics.Color)	4288569049 (0xFF9E5ED9)
YUV	127.1580, 44.2921, 27.0484
Hunter-Lab	44.8824, 42.5435, -57.9138

Details

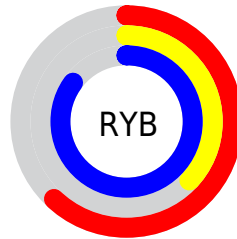
The CIELCh color **52, 72.479, 312.547** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **80, 66.864, 127.228**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 62.436, 315.333**, and **32, 72.312, 312.485** is the 20% darker color. If you saturate the color by 10%, you get **47, 84.523, 312.916**, and if you desaturate by 10%, it is **58, 59.680, 312.072**.

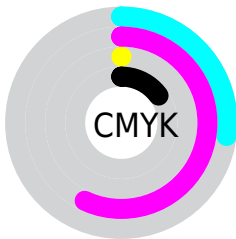
Distribution



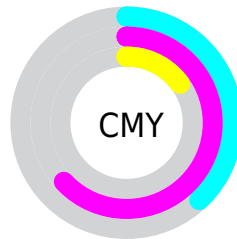
- Red (62%)
- Green (37%)
- Blue (85%)



- Red (62%)
- Yellow (37%)
- Blue (85%)



- Cyan (27%)
- Magenta (57%)
- Yellow (0%)
- Black (15%)





- Cyan (38%)
- Magenta (63%)
- Yellow (15%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 72.479, 312.547 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, 72.479, 312.547 by changing the saturation by 10% instead.

 52, 72.479,
312.547

 52, 72.479,
312.547


 100, 72.479,
312.547


 42, 72.479,
312.547


 72, 72.479,
312.547

 32, 72.479,
312.547

 82, 72.479,
312.547

 22, 72.479,
312.547

 92, 72.479,
312.547

 12, 72.479,
312.547

 2, 72.479, 312.547

 0, 72.479, 312.547

52, 72.479,
312.547

52, 72.479,
312.547

47, 84.523,
312.916

58, 59.680,
312.072

42, 95.108,
313.093

64, 46.618,
311.554

38, 103.368,
312.968

70, 33.595,
311.031

36, 108.602,
312.447

76, 20.786,
310.527


35, 109.940,
312.249

82, 8.285, 310.050

89, 3.864, 129.674

95, 15.644,
129.264

98, 20.199,
123.715

 99, 19.504,
112.963

Harmonies

Complementary

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



52, 72.479, 312.547



80, 66.864, 127.228

Rectangle

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



52, 72.479, 312.547



52, 72.479, 2.547



52, 72.479, 132.547



52, 72.479, 182.547

Sweetspot

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



52, 72.478, 312.547



88, 24.058, 310.545



62, 38.253, 268.790



45, 16.135, 310.646



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, 72.478, 312.547



54, 97.990, 312.967



59, 75.079, 327.825



42, 6.899, 310.174



27, 91.977, 312.432



3, 29.112, 309.212

Inverse Universe

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



57, 54.913, 351.434



62, 72.210, 353.851



78, 75.810, 139.987



42, 5.456, 345.509



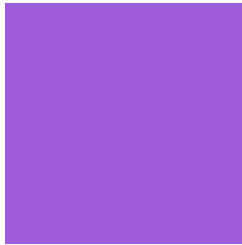
36, 62.635, 3.646



5, 23.334, 355.617

Previews

White Background



This preview shows how the CIELCh color 52, 72.479, 312.547 looks on a white background.

Color Contrast Check

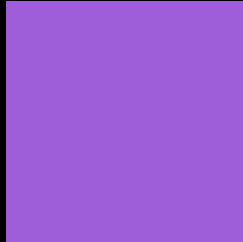
Large Text (above 18pt) WCAG AA ✓ Pass

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, 72.479, 312.547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

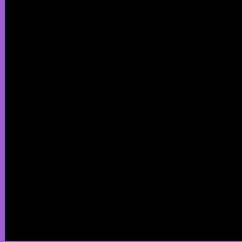
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 72.479, 312.547

Background



This preview shows how black text looks on a background with the CIELCh color 52, 72.479, 312.547.



This preview shows how white text looks on a background with the CIELCh color 52, 72.479, 312.547.

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, 72.479, 312.547

Protanopia
52, 71.280, 287.599

Deuteranopia
52, 50.326, 279.287



Tritanopia
52, 11.011, 352.527

Trichromacy



Original Color
52, 72.479, 312.547



Protanomaly
51, 71.235, 294.358



Deuteranomaly
51, 56.909, 292.431



Tritanomaly
52, 32.894, 319.101

Monochromacy



Original Color
52, 72.479, 312.547



Achromatopsia
53, 0.007, 296.813



Achromatomaly
52, 27.561, 310.767

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 72.479, 312.547 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(158, 94, 217)` looks like.

```
.text, #text, p{  
    color:rgb(158, 94, 217)  
}
```

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(158, 94, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 94, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 72.479, 312.547 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(158, 94, 217) }
```

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

```
.border{ border-color:rgb(158, 94, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 94, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 94, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 94, 217);  
box-shadow:4px 4px 4px 4px rgb(158, 94,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 72.479, 312.547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 94, 217) }
```

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

```
.background{ background-color: rgb(158, 94,  
217) }
```

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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