

Converting Colors

CIELCh(52, 75.995, 312.007)

Have a look what the booklet for
CIELCh(52, 75.995, 312.007)
contains.

CIELCh(52, 76.165, 312.031)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(52, 76.165, 312.031)

Conversions

Conversions Part 1

Format	Color
Hex	9D5CDE
RGB	157, 92, 222
RGB Percent	62%, 36%, 87%
CMY	0.3837, 0.6387, 0.1288
CMYK	0.29, 0.59, 0.00, 0.13
HSL	270°, 66%, 62%
HSV	270°, 59%, 87%
XYZ	30.9796, 20.1443, 71.4718
YIQ	126.2550, -2.9900, 54.2100

Conversions

Conversions Part 2

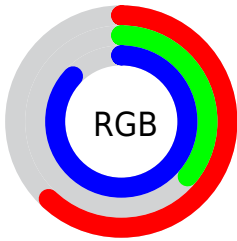
Format	Color
R _{YB}	157, 92, 222
Decimal	10312926
CIE _{Lab}	52.00, 50.99, -56.57
CIE _{LCh}	52, 76.165, 312.031
Yxy	20.1443, 0.2527, 0.1643
Android (android.graphics.Color)	4288503006 (0xFF9D5CDE)
YUV	126.2550, 47.2023, 26.9634
Hunter-Lab	44.8824, 44.6635, -62.9971

Details

The CIELCh color **52, 76.165, 312.031** 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 **82, 69.720, 126.470**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 63.657, 315.579**, and **32, 76.406, 312.116** is the 20% darker color. If you saturate the color by 10%, you get **47, 88.352, 312.407**, and if you desaturate by 10%, it is **58, 63.135, 311.540**.

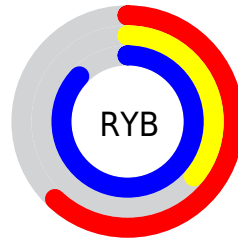
Distribution



Red (62%)

Green (36%)

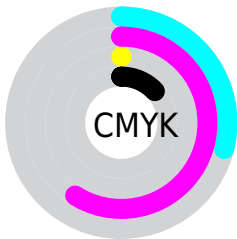
Blue (87%)



Red (62%)

Yellow (36%)

Blue (87%)

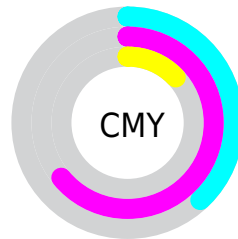


Cyan (29%)

Magenta (59%)

Yellow (0%)

Black (13%)



Cyan (38%)


Magenta (64%)


Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 76.165, 312.031 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, 76.165, 312.031 by changing the saturation by 10% instead.


 52, 76.165,
312.031


 52, 76.165,
312.031


 100, 76.165,
312.031


 42, 76.165,
312.031


 72, 76.165,
312.031

 32, 76.165,
312.031

 82, 76.165,
312.031

 22, 76.165,
312.031

 92, 76.165,
312.031

 12, 76.165,
312.031

 2, 76.165, 312.031

 0, 76.165, 312.031

52, 76.165,
312.031

52, 76.165,
312.031

47, 88.352,
312.407

58, 63.135,
311.540

42, 98.929,
312.571

64, 49.801,
311.000

38, 106.976,
312.408

70, 36.490,
310.455

36, 111.950,
311.850

77, 23.396,
309.931


35, 112.584,
311.763

83, 10.617,
309.439

89, 1.799, 129.080

96, 13.834,
128.621

99, 16.974,
120.038

 99, 16.613,
108.922

Harmonies

Complementary

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



52, 76.165, 312.031



82, 69.720, 126.470

Rectangle

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



52, 76.165, 312.031



52, 76.165, 2.031



52, 76.165, 132.031



52, 76.165, 182.031

Sweetspot

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



52, 76.164, 312.031



87, 25.411, 309.912



63, 39.287, 267.558



44, 17.727, 310.062



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, 76.164, 312.031



52, 100.593, 312.460



60, 79.409, 327.395



44, 7.139, 309.484



27, 94.430, 311.939



4, 33.480, 310.312

Inverse Universe

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



58, 58.061, 350.449



61, 74.249, 352.889



79, 80.201, 139.373



44, 5.746, 344.400



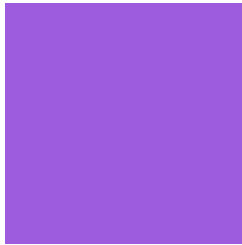
38, 64.176, 1.839



6, 26.430, 354.738

Previews

White Background



This preview shows how the CIELCh color 52, 76.165, 312.031 looks on a white background.

Color Contrast Check

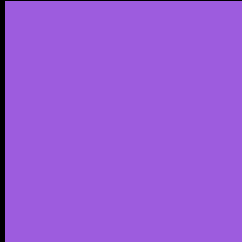
Large Text (above 18pt) WCAG AA ✓ Pass

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, 76.165, 312.031 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, 76.165, 312.031

Background



This preview shows how black text looks on a background with the CIELCh color 52, 76.165, 312.031.

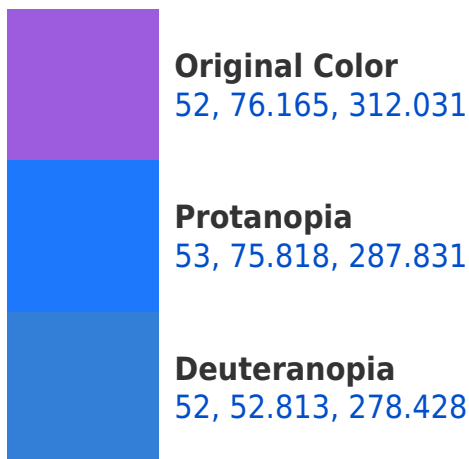



This preview shows how white text looks on a background with the CIELCh color 52, 76.165, 312.031.

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](#).

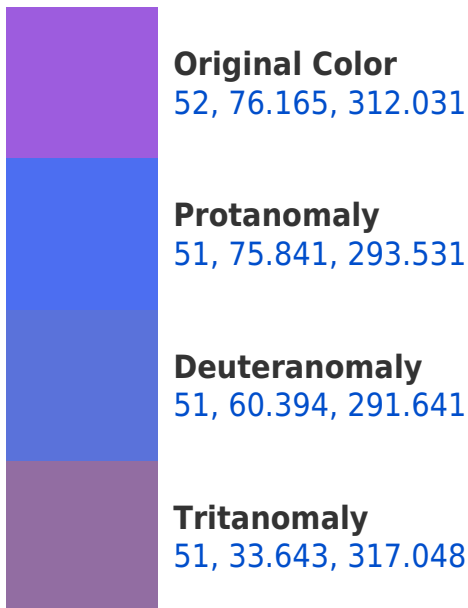
Dichromacy



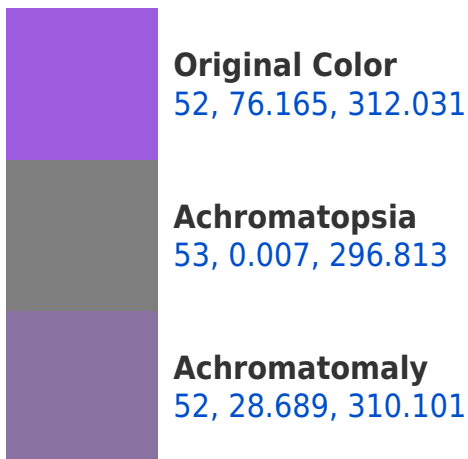


Tritanopia
52, 10.300, 350.248

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 76.165, 312.031 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(157, 92, 222)` looks like.

```
.text, #text, p{  
    color:rgb(157, 92, 222)  
}
```

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(157, 92, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 92, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 76.165, 312.031 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(157, 92, 222) }
```

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

```
.border{ border-color:rgb(157, 92, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 92, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 92, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 92, 222);  
box-shadow:4px 4px 4px 4px rgb(157, 92,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 76.165, 312.031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 92, 222) }
```

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

```
.background{ background-color: rgb(157, 92,  
222) }
```

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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