

Converting Colors

CIELCh(52, 83.107, 312.192)

Have a look what the booklet for
CIELCh(52, 83.107, 312.192)
contains.

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Color

CIELCh(52, 82.990, 312.079)

Conversions

Conversions Part 1

Format	Color
Hex	9F58E7
RGB	159, 88, 231
RGB Percent	62%, 35%, 91%
CMY	0.3761, 0.6546, 0.0938
CMYK	0.31, 0.62, 0.00, 0.09
HSL	270°, 75%, 63%
HSV	270°, 62%, 91%
XYZ	32.2446, 20.1443, 77.8488
YIQ	125.5310, -3.5870, 59.5250

Conversions

Conversions Part 2

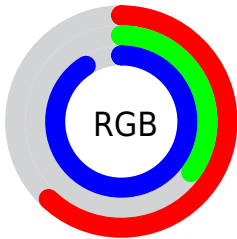
Format	Color
R_{YB}	159, 88, 231
Decimal	10442983
CIE _{Lab}	52.00, 55.62, -61.60
CIE _{LCh}	52, 82.990, 312.079
Yxy	20.1443, 0.2476, 0.1547
Android (android.graphics.Color)	4288633063 (0xFF9F58E7)
YUV	125.5310, 51.9962, 29.3523
Hunter-Lab	44.8824, 49.6945, -71.4211

Details

The CIELCh color **52, 82.990, 312.079** 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 **85, 75.463, 126.263**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 66.243, 316.596**, and **32, 82.640, 312.110** is the 20% darker color. If you saturate the color by 10%, you get **47, 95.112, 312.400**, and if you desaturate by 10%, it is **58, 69.752, 311.612**.

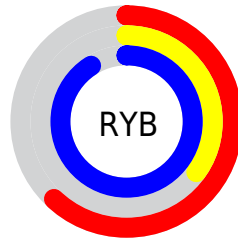
Distribution



Red (62%)

Green (35%)

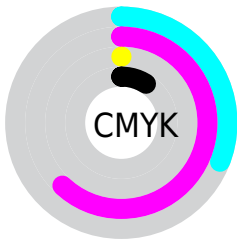
Blue (91%)



Red (62%)

Yellow (35%)

Blue (91%)

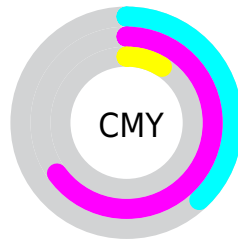


Cyan (31%)

Magenta (62%)

Yellow (0%)

Black (9%)



Cyan (38%)


Magenta (65%)


Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 82.990, 312.079 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, 82.990, 312.079 by changing the saturation by 10% instead.


 52, 82.990,
312.079


 52, 82.990,
312.079


 100, 82.990,
312.079


 42, 82.990,
312.079


 72, 82.990,
312.079

 32, 82.990,
312.079

 82, 82.990,
312.079

 22, 82.990,
312.079

 92, 82.990,
312.079

 12, 82.990,
312.079

 2, 82.990, 312.079

 0, 82.990, 312.079

52, 82.990,
312.079

52, 82.990,
312.079

47, 95.112,
312.400

58, 69.752,
311.612

42, 105.244,
312.468

64, 56.040,
311.077

39, 112.440,
312.166

71, 42.260,
310.525

37, 116.092,
311.657


77, 28.653,
309.988

84, 15.347,
309.482

90, 2.408, 308.976

97, 10.141,
128.628

99, 12.162,
114.110

 99, 12.107,
109.262

Harmonies

Complementary

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



52, 82.990, 312.079



85, 75.463, 126.263

Rectangle

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



52, 82.990, 312.079



52, 82.990, 2.079



52, 82.990, 132.079



52, 82.990, 182.079

Sweetspot

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



52, 82.989, 312.079



86, 26.842, 309.844



65, 41.765, 266.842



44, 18.545, 309.993



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, 82.989, 312.079



50, 105.455, 312.445



61, 85.434, 327.001



45, 7.268, 309.364



28, 95.526, 311.847



4, 35.605, 310.912

Inverse Universe

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



59, 62.825, 350.864



60, 76.974, 353.608



82, 86.323, 138.703



45, 5.867, 344.211



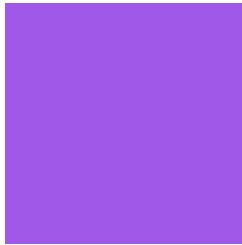
38, 64.897, 1.556



7, 27.646, 354.671

Previews

White Background



This preview shows how the CIELCh color 52, 82.990, 312.079 looks on a white background.

Color Contrast Check

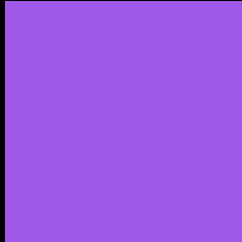
Large Text (above 18pt) WCAG AA ✓ Pass

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, 82.990, 312.079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

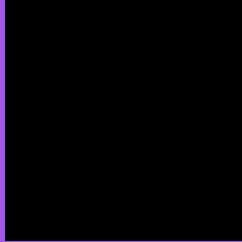
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 82.990, 312.079

Background



This preview shows how black text looks on a background with the CIELCh color 52, 82.990, 312.079.

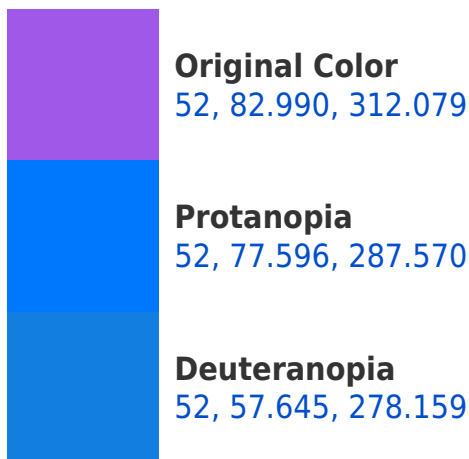



This preview shows how white text looks on a background with the CIELCh color 52, 82.990, 312.079.

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



Original Color
52, 82.990, 312.079



Protanomaly
50, 80.118, 292.867



Deuteranomaly
50, 66.490, 290.038



Tritanomaly
51, 36.667, 316.885

Monochromacy



Original Color
52, 82.990, 312.079



Achromatopsia
53, 0.007, 296.813



Achromatomaly
51, 31.778, 310.590

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 82.990, 312.079 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(159, 88, 231)` looks like.

```
.text, #text, p{  
    color:rgb(159, 88, 231)  
}
```

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(159, 88, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 88, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 82.990, 312.079 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(159, 88, 231) }
```

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

```
.border{ border-color:rgb(159, 88, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 88, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 88, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 88, 231);  
box-shadow:4px 4px 4px 4px rgb(159, 88,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 82.990, 312.079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 88, 231) }
```

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

```
.background{ background-color: rgb(159, 88,  
231) }
```

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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