

Converting Colors

CIELCh(52, 80.008, 311.591)

Have a look what the booklet for
CIELCh(52, 80.008, 311.591)
contains.

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Color

CIELCh(52, 79.776, 311.573)

Conversions

Conversions Part 1

Format	Color
Hex	9D5BE4
RGB	157, 91, 228
RGB Percent	62%, 36%, 89%
CMY	0.3857, 0.6444, 0.1072
CMYK	0.31, 0.60, 0.00, 0.11
HSL	269°, 71%, 62%
HSV	269°, 60%, 89%
XYZ	31.5072, 20.1443, 75.3738
YIQ	126.3520, -4.6410, 56.5990

Conversions

Conversions Part 2

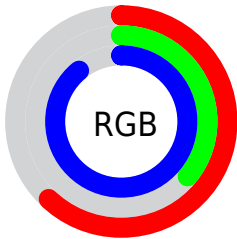
Format	Color
R_{YB}	157, 91, 228
Decimal	10312676
CIE _{Lab}	52.00, 52.94, -59.68
CIE _{LCh}	52, 79.776, 311.573
Yxy	20.1443, 0.2480, 0.1586
Android (android.graphics.Color)	4288502756 (0xFF9D5BE4)
YUV	126.3520, 50.1125, 26.8783
Hunter-Lab	44.8824, 46.7617, -68.1516

Details

The CIELCh color **52, 79.776, 311.573** 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 **84, 72.472, 125.769**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 64.266, 315.698**, and **32, 79.985, 311.491** is the 20% darker color. If you saturate the color by 10%, you get **47, 92.090, 311.955**, and if you desaturate by 10%, it is **58, 66.525, 311.065**.

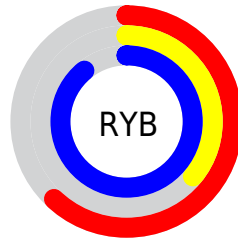
Distribution



Red (62%)

Green (36%)

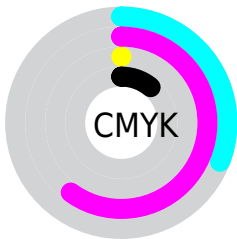
Blue (89%)



Red (62%)

Yellow (36%)

Blue (89%)

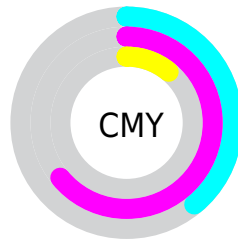


Cyan (31%)

Magenta (60%)

Yellow (0%)

Black (11%)



Cyan (39%)


Magenta (64%)


Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 79.776, 311.573 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, 79.776, 311.573 by changing the saturation by 10% instead.


 52, 79.776,
311.573


 52, 79.776,
311.573


 100, 79.776,
311.573


 42, 79.776,
311.573


 72, 79.776,
311.573

 32, 79.776,
311.573

 82, 79.776,
311.573

 22, 79.776,
311.573

 92, 79.776,
311.573

 12, 79.776,
311.573

 2, 79.776, 311.573

 0, 79.776, 311.573

52, 79.776,
311.573

52, 79.776,
311.573

47, 92.090,
311.955

58, 66.525,
311.065

42, 102.633,
312.105

64, 52.922,
310.504

38, 110.435,
311.903

71, 39.329,
309.937

36, 115.153,
311.337


77, 25.950,
309.392

84, 12.895,
308.882

90, 0.215, 307.858

97, 12.074,
128.031

99, 13.928,
115.017

 99, 13.838,
109.132

Harmonies

Complementary

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



52, 79.776, 311.573



84, 72.472, 125.769

Rectangle

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



52, 79.776, 311.573



52, 79.776, 1.573



52, 79.776, 131.573



52, 79.776, 181.573

Sweetspot

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



52, 79.775, 311.573



87, 25.325, 309.284



65, 39.298, 264.268



44, 17.670, 309.438



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, 79.775, 311.573



51, 103.171, 312.014



61, 82.420, 326.421



45, 7.246, 308.848



27, 95.831, 311.516



4, 35.513, 310.383

Inverse Universe

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



58, 61.117, 349.569



60, 76.182, 352.053



81, 83.023, 138.610



45, 5.926, 343.412



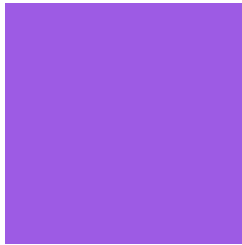
38, 65.087, 0.156



7, 27.802, 353.555

Previews

White Background



This preview shows how the CIELCh color 52, 79.776, 311.573 looks on a white background.

Color Contrast Check

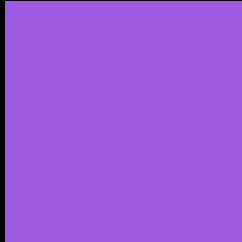
Large Text (above 18pt) WCAG AA ✓ Pass

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, 79.776, 311.573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

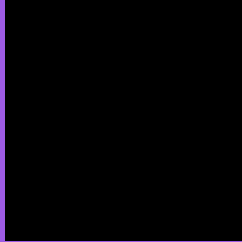
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 79.776, 311.573

Background



This preview shows how black text looks on a background with the CIELCh color 52, 79.776, 311.573.

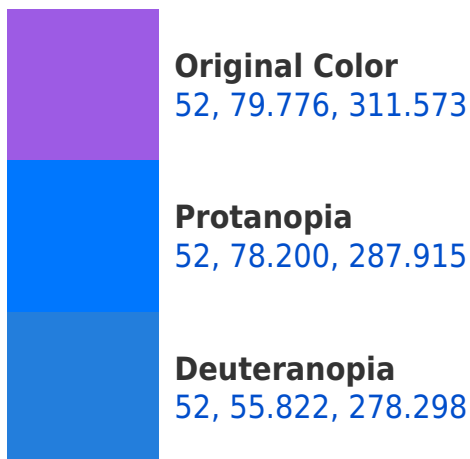


This preview shows how white text looks on a background with the CIELCh color 52, 79.776, 311.573.

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, 9.257, 346.223

Trichromacy



Original Color
52, 79.776, 311.573



Protanomaly
50, 78.424, 292.240



Deuteranomaly
50, 64.012, 290.708



Tritanomaly
51, 34.556, 315.698

Monochromacy



Original Color
52, 79.776, 311.573



Achromatopsia
53, 0.007, 296.813



Achromatomaly
52, 30.462, 309.872

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 79.776, 311.573 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, 91, 228)` looks like.

```
.text, #text, p{  
    color:rgb(157, 91, 228)  
}
```

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, 91, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 91, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 79.776, 311.573 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, 91, 228) }
```

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

```
.border{ border-color:rgb(157, 91, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 91, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 91, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 91, 228);  
box-shadow:4px 4px 4px 4px rgb(157, 91,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 79.776, 311.573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 91, 228) }
```

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

```
.background{ background-color: rgb(157, 91,  
228) }
```

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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