

Converting Colors

CIELCh(53, 68.084, 312.732)

Have a look what the booklet for
CIELCh(53, 68.084, 312.732)
contains.

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Color

CIELCh(53, 68.084, 312.730)

Conversions

Conversions Part 1

Format	Color
Hex	9F62D5
RGB	159, 98, 213
RGB Percent	62%, 38%, 84%
CMY	0.3748, 0.6142, 0.1631
CMYK	0.25, 0.54, 0.00, 0.16
HSL	272°, 58%, 61%
HSV	272°, 54%, 84%
XYZ	30.8484, 21.0462, 65.6682
YIQ	129.3490, -0.5590, 48.6970

Conversions

Conversions Part 2

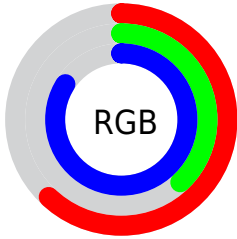
Format	Color
R_{YB}	159, 98, 213
Decimal	10445525
CIE _{Lab}	53.00, 46.20, -50.01
CIE _{LCh}	53, 68.084, 312.730
Yxy	21.0462, 0.2624, 0.1790
Android (android.graphics.Color)	4288635605 (0xFF9F62D5)
YUV	129.3490, 41.2399, 26.0039
Hunter-Lab	45.8761, 39.7452, -52.7558

Details

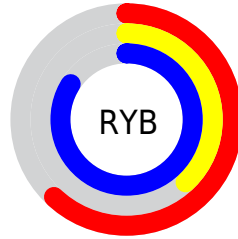
The CIELCh color **53, 68.084, 312.730** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **79, 63.234, 127.683**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 60.066, 315.119**, and **33, 68.059, 312.642** is the 20% darker color. If you saturate the color by 10%, you get **48, 80.225, 313.122**, and if you desaturate by 10%, it is **59, 55.338, 312.251**.

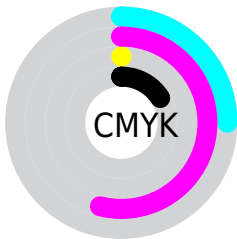
Distribution



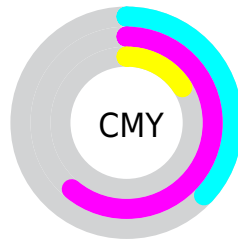
- Red (62%)
- Green (38%)
- Blue (84%)



- Red (62%)
- Yellow (38%)
- Blue (84%)



- Cyan (25%)
- Magenta (54%)
- Yellow (0%)
- Black (16%)





- Cyan (37%)
- Magenta (61%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 68.084, 312.730 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 53, 68.084, 312.730 by changing the saturation by 10% instead.


 53, 68.084,
312.730


 53, 68.084,
312.730


 100, 68.084,
312.730


 43, 68.084,
312.730


 73, 68.084,
312.730

 33, 68.084,
312.730

 83, 68.084,
312.730

 23, 68.084,
312.730

 93, 68.084,
312.730

 13, 68.084,
312.730

 3, 68.084, 312.730

 0, 68.084, 312.730

53, 68.084,
312.730

53, 68.084,
312.730

48, 80.225,
313.122

59, 55.338,
312.251

43, 91.131,
313.349

65, 42.419,
311.739

39, 99.985,
313.309

71, 29.586,
311.228

36, 105.993,
312.897

77, 16.989,
310.739

35, 108.490,
312.507

83, 4.707, 310.267

89, 7.223, 129.903

95, 18.790,
129.522

98, 21.836,
123.598

■ 99, 21.125,
114.017

Harmonies

Complementary

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



53, 68.084, 312.730



79, 63.234, 127.683

Rectangle

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



53, 68.084, 312.730



53, 68.084, 2.730



53, 68.084, 132.730



53, 68.084, 182.730

Sweetspot

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



53, 68.083, 312.730



89, 22.659, 310.847



62, 35.956, 267.889



46, 15.340, 310.948



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



53, 68.083, 312.730



56, 94.078, 313.177



60, 71.050, 327.701



42, 6.915, 310.528



27, 91.773, 312.680



3, 29.187, 309.633

Inverse Universe

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



57, 51.594, 351.596



63, 69.583, 353.896



77, 71.613, 140.326



42, 5.419, 346.093



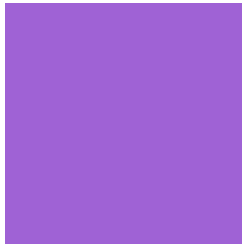
36, 62.580, 4.637



5, 23.241, 356.299

Previews

White Background



This preview shows how the CIELCh color 53, 68.084, 312.730 looks on a white background.

Color Contrast Check

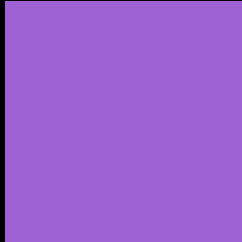
Large Text (above 18pt) WCAG AA ✓ Pass

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 53, 68.084, 312.730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

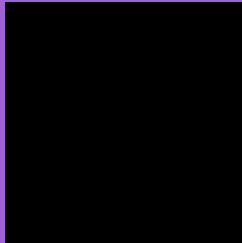
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 68.084, 312.730

Background



This preview shows how black text looks on a background with the CIELCh color 53, 68.084, 312.730.

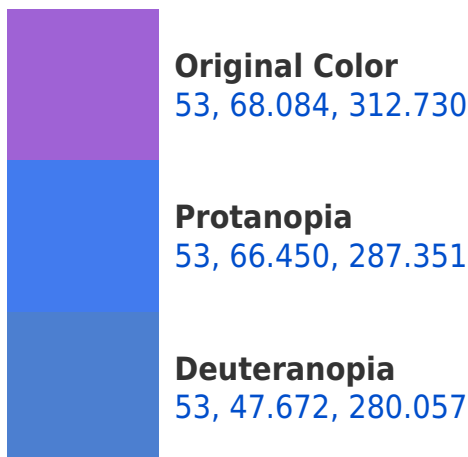


This preview shows how white text looks on a background with the CIELCh color 53, 68.084, 312.730.

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
53, 11.340, 353.542

Trichromacy



Original Color
53, 68.084, 312.730



Protanomaly
52, 66.336, 294.759



Deuteranomaly
52, 53.788, 293.244



Tritanomaly
53, 31.133, 319.856

Monochromacy



Original Color
53, 68.084, 312.730



Achromatopsia
54, 0.007, 296.813



Achromatomaly
53, 25.150, 311.489

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 68.084, 312.730 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, 98, 213)` looks like.

```
.text, #text, p{  
    color:rgb(159, 98, 213)  
}
```

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, 98, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 98, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 68.084, 312.730 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, 98, 213) }
```

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

```
.border{ border-color:rgb(159, 98, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 98, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 98, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 98, 213);  
box-shadow:4px 4px 4px 4px rgb(159, 98,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 68.084, 312.730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 98, 213) }
```

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

```
.background{ background-color: rgb(159, 98,  
213) }
```

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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