

Converting Colors

CIELCh(53, 56.402, 313.014)

Have a look what the booklet for
CIELCh(53, 56.402, 313.014)
contains.

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Color

CIELCh(53, 56.509, 313.123)

Conversions

Conversions Part 1

Format	Color
Hex	9C68C6
RGB	156, 104, 198
RGB Percent	61%, 41%, 78%
CMY	0.3882, 0.5921, 0.2235
CMYK	0.21, 0.47, 0.00, 0.22
HSL	273°, 45%, 59%
HSV	273°, 47%, 78%
XYZ	28.8541, 21.0462, 55.9687
YIQ	130.2640, 0.8180, 40.2580

Conversions

Conversions Part 2

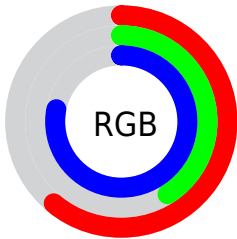
Format	Color
RYB	156, 104, 198
Decimal	10250438
CIELab	53.00, 38.63, -41.25
CIELCh	53, 56.509, 313.123
Yxy	21.0462, 0.2725, 0.1988
Android (android.graphics.Color)	4288440518 (0xFF9C68C6)
YUV	130.2640, 33.3938, 22.5705
Hunter-Lab	45.8761, 31.9855, -40.2203

Details

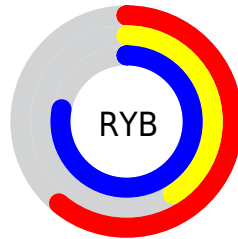
The CIELCh color **53, 56.509, 313.123** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **75, 53.219, 128.720**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 56.645, 313.137**, and **33, 56.505, 312.912** is the 20% darker color. If you saturate the color by 10%, you get **48, 68.309, 313.550**, and if you desaturate by 10%, it is **58, 44.388, 312.643**.

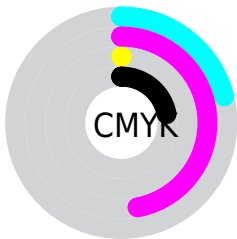
Distribution



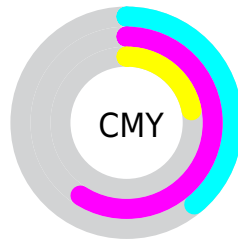
- Red (61%)
- Green (41%)
- Blue (78%)



- Red (61%)
- Yellow (41%)
- Blue (78%)



- Cyan (21%)
- Magenta (47%)
- Yellow (0%)
- Black (22%)





- Cyan (39%)
- Magenta (59%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 56.509, 313.123 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, 56.509, 313.123 by changing the saturation by 10% instead.


 53, 56.509,
313.123


 53, 56.509,
313.123


 100, 56.509,
313.123


 43, 56.509,
313.123


 73, 56.509,
313.123

 33, 56.509,
313.123

 83, 56.509,
313.123

 23, 56.509,
313.123

 93, 56.509,
313.123

 13, 56.509,
313.123

 3, 56.509, 313.123

 0, 56.509, 313.123

53, 56.509,
313.123

53, 56.509,
313.123

48, 68.309,
313.550

58, 44.388,
312.643

43, 79.328,
313.865

64, 32.251,
312.149

39, 88.914,
313.983

70, 20.275,
311.667

36, 96.305,
313.807

76, 8.561, 311.205

33, 100.999,
313.268

81, 2.841, 130.851

33, 102.016,
313.121

87, 13.909,
130.435

93, 24.642,
130.091

97, 30.735,
127.862

■ 97, 29.720,
122.064

Harmonies

Complementary

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



53, 56.509, 313.123



75, 53.219, 128.720

Rectangle

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



53, 56.509, 313.123



53, 56.509, 3.123



53, 56.509, 133.123



53, 56.509, 183.123

Sweetspot

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



53, 56.508, 313.123



90, 19.866, 311.514



60, 31.224, 269.446



47, 13.753, 311.616



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, 56.508, 313.123



61, 83.173, 313.565



58, 58.501, 328.406



39, 6.536, 311.292



26, 88.266, 313.280



2, 22.607, 307.910

Inverse Universe

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



56, 42.707, 351.960



66, 61.940, 353.779



73, 58.787, 141.944



39, 5.024, 347.388



35, 60.457, 6.622



4, 17.386, 356.177

Previews

White Background



This preview shows how the CIE LCh color 53, 56.509, 313.123 looks on a white background.

Color Contrast Check

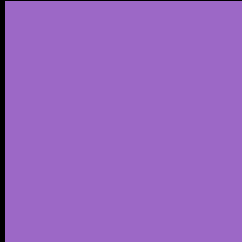
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 53, 56.509, 313.123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

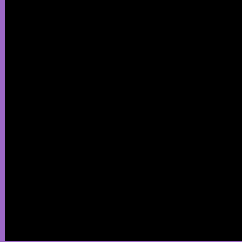
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 56.509, 313.123

Background



This preview shows how black text looks on a background with the CIELCh color 53, 56.509, 313.123.

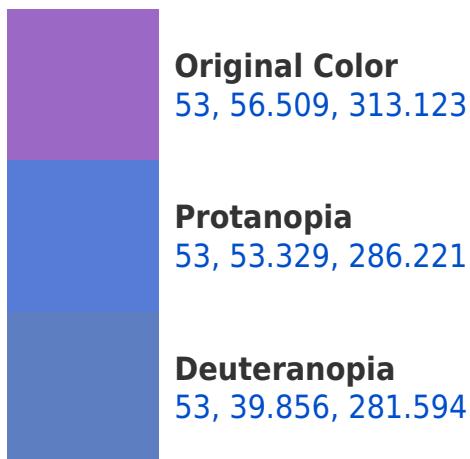



This preview shows how white text looks on a background with the CIELCh color 53, 56.509, 313.123.

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



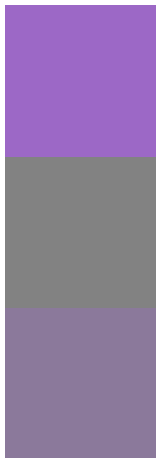
Original Color
53, 56.509, 313.123

Protanomaly
53, 53.159, 294.830

Deuteranomaly
53, 44.598, 295.043

Tritanomaly
53, 26.644, 322.198

Monochromacy



Original Color
53, 56.509, 313.123

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 20.858, 311.066

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 56.509, 313.123 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(156, 104, 198)` looks like.

```
.text, #text, p{  
    color:rgb(156, 104, 198)  
}
```

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(156, 104, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 104, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 56.509, 313.123 is called "border". The border property can be set on classes, ids or directly on the HTML element.

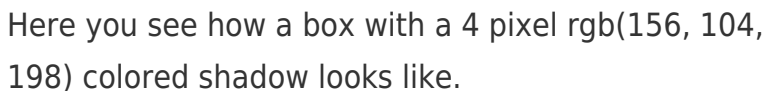
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(156, 104, 198) }
```

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

```
.border{ border-color:rgb(156, 104, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(156, 104, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 104, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 104, 198); box-shadow:4px 4px 4px 4px rgb(156, 104, 198) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 56.509, 313.123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 104, 198) }
```

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

```
.background{ background-color: rgb(156,  
104, 198) }
```

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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