

Converting Colors

CIELCh(53, 55.923, 312.686)

Have a look what the booklet for
CIELCh(53, 55.923, 312.686)
contains.

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Color

CIELCh(53, 55.812, 312.613)

Conversions

Conversions Part 1

Format	Color
Hex	9B69C6
RGB	155, 105, 198
RGB Percent	61%, 41%, 78%
CMY	0.3934, 0.5893, 0.2248
CMYK	0.22, 0.47, 0.00, 0.22
HSL	272°, 45%, 59%
HSV	272°, 47%, 78%
XYZ	28.6381, 21.0462, 55.7899
YIQ	130.5520, -0.0530, 39.5230

Conversions

Conversions Part 2

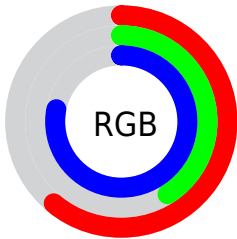
Format	Color
R_{YB}	155, 105, 198
Decimal	10185158
CIE _{Lab}	53.00, 37.79, -41.07
CIE _{LCh}	53, 55.812, 312.613
Yxy	21.0462, 0.2715, 0.1995
Android (android.graphics.Color)	4288375238 (0xFF9B69C6)
YUV	130.5520, 33.2519, 21.4409
Hunter-Lab	45.8761, 31.1451, -39.9892

Details

The CIELCh color **53, 55.812, 312.613** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **75, 52.449, 128.205**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 55.944, 312.649**, and **33, 55.867, 312.393** is the 20% darker color. If you saturate the color by 10%, you get **48, 67.656, 313.063**, and if you desaturate by 10%, it is **58, 43.692, 312.116**.

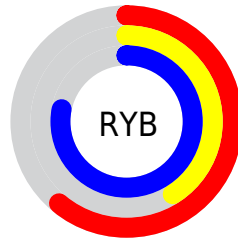
Distribution



Red (61%)

Green (41%)

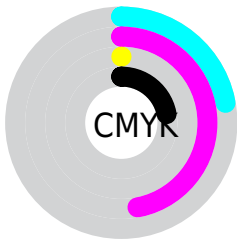
Blue (78%)



Red (61%)

Yellow (41%)

Blue (78%)

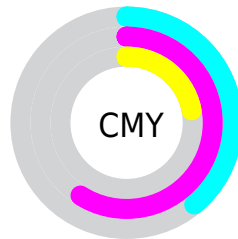


Cyan (22%)

Magenta (47%)

Yellow (0%)

Black (22%)



Cyan (39%)


Magenta (59%)


Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 55.812, 312.613 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, 55.812, 312.613 by changing the saturation by 10% instead.


 53, 55.812,
312.613


 53, 55.812,
312.613


 100, 55.812,
312.613


 43, 55.812,
312.613


 73, 55.812,
312.613

 33, 55.812,
312.613


 83, 55.812,
312.613

 23, 55.812,
312.613

 93, 55.812,
312.613

 13, 55.812,
312.613

 3, 55.812, 312.613

 0, 55.812, 312.613

53, 55.812,
312.613

53, 55.812,
312.613

48, 67.656,
313.063

58, 43.692,
312.116

43, 78.777,
313.405

64, 31.585,
311.610

39, 88.528,
313.557

70, 19.660,
311.120

35, 96.135,
313.417

76, 8.009, 310.653

33, 101.018,
312.902

81, 3.324, 130.289

32, 102.238,
312.733

87, 14.320,
129.879

93, 24.979,
129.537

97, 30.748,
127.099

■ 97, 29.747,
121.064

Harmonies

Complementary

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



53, 55.812, 312.613



75, 52.449, 128.205

Rectangle

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



53, 55.812, 312.613



53, 55.812, 2.613



53, 55.812, 132.613



53, 55.812, 182.613

Sweetspot

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



53, 55.811, 312.613



90, 19.802, 310.986



60, 30.241, 267.631



46, 13.710, 311.090



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, 55.811, 312.613



61, 81.694, 313.055



58, 58.577, 327.874



39, 6.514, 310.762



26, 88.559, 312.891



2, 22.531, 307.313

Inverse Universe

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



56, 42.589, 350.888



67, 61.398, 352.533



72, 58.846, 141.553



39, 5.075, 346.483



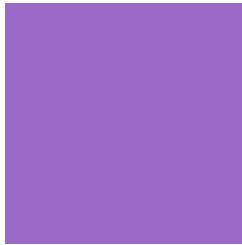
35, 60.481, 5.123



4, 17.515, 355.249

Previews

White Background



This preview shows how the CIELCh color 53, 55.812, 312.613 looks on a white background.

Color Contrast Check

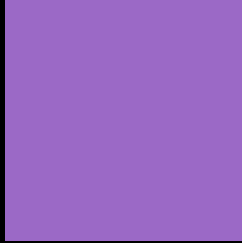
Large Text (above 18pt) WCAG AA ✓ Pass

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, 55.812, 312.613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

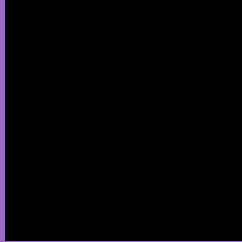
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 55.812, 312.613

Background



This preview shows how black text looks on a background with the CIELCh color 53, 55.812, 312.613.

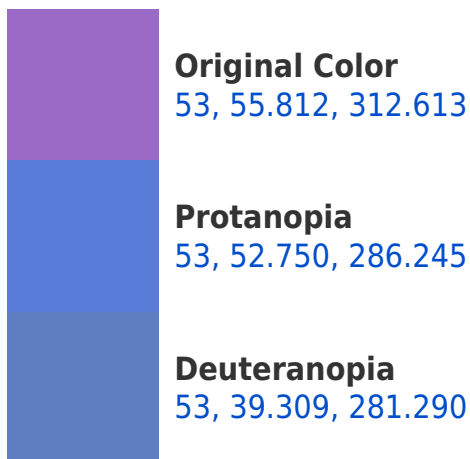


This preview shows how white text looks on a background with the CIELCh color 53, 55.812, 312.613.

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, 10.897, 348.722

Trichromacy



Original Color
53, 55.812, 312.613

Protanomaly
53, 53.159, 294.830

Deuteranomaly
53, 44.600, 294.667

Tritanomaly
53, 26.804, 320.105

Monochromacy



Original Color
53, 55.812, 312.613

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, 55.812, 312.613 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(155, 105, 198)` looks like.

```
.text, #text, p{  
    color:rgb(155, 105, 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(155, 105, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 105, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 55.812, 312.613 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(155, 105, 198) }
```

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

```
.border{ border-color:rgb(155, 105, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 105, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 105, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 105, 198);  
box-shadow:4px 4px 4px 4px rgb(155, 105,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 55.812, 312.613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 105, 198) }
```

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

```
.background{ background-color: rgb(155,  
105, 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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