

Converting Colors

CIELCh(53, 67.441, 312.317)

Have a look what the booklet for
CIELCh(53, 67.441, 312.317)
contains.

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Color

CIELCh(53, 67.441, 312.317)

Conversions

Conversions Part 1

Format	Color
Hex	9E63D5
RGB	158, 99, 213
RGB Percent	62%, 39%, 84%
CMY	0.3798, 0.6112, 0.1641
CMYK	0.26, 0.53, 0.00, 0.16
HSL	271°, 58%, 61%
HSV	271°, 53%, 84%
XYZ	30.6349, 21.0462, 65.5007
YIQ	129.6370, -1.4300, 47.9620

Conversions

Conversions Part 2

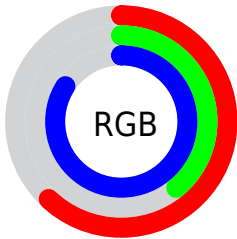
Format	Color
R_{YB}	158, 99, 213
Decimal	10380245
CIE _{Lab}	53.00, 45.40, -49.87
CIE _{LCh}	53, 67.441, 312.317
Yxy	21.0462, 0.2614, 0.1796
Android (android.graphics.Color)	4288570325 (0xFF9E63D5)
YUV	129.6370, 41.0980, 24.8744
Hunter-Lab	45.8761, 38.9145, -52.5394

Details

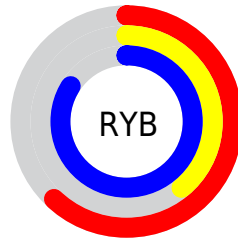
The CIELCh color $53, 67.441, 312.317$ is a light color, and the websafe version is hex `9966CC`. A complement of this color would be $79, 62.500, 127.248$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 59.365, 314.677$, and $33, 67.525, 312.243$ is the 20% darker color. If you saturate the color by 10%, you get $48, 79.657, 312.734$, and if you desaturate by 10%, it is $59, 54.670, 311.819$.

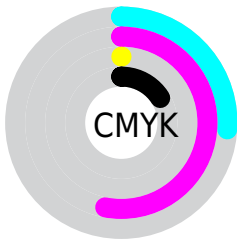
Distribution



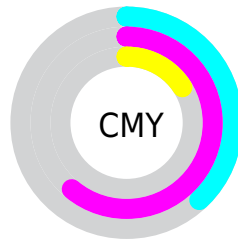
- Red (62%)
- Green (39%)
- Blue (84%)



- Red (62%)
- Yellow (39%)
- Blue (84%)



- Cyan (26%)
- Magenta (53%)
- Yellow (0%)
- Black (16%)





- Cyan (38%)
- Magenta (61%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 67.441, 312.317 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, 67.441, 312.317 by changing the saturation by 10% instead.


 53, 67.441,
312.317


 53, 67.441,
312.317


 100, 67.441,
312.317


 43, 67.441,
312.317


 73, 67.441,
312.317

 33, 67.441,
312.317

 83, 67.441,
312.317

 23, 67.441,
312.317

 93, 67.441,
312.317

 13, 67.441,
312.317

 3, 67.441, 312.317

 0, 67.441, 312.317

53, 67.441,
312.317

53, 67.441,
312.317

48, 79.657,
312.734

59, 54.670,
311.819

43, 90.697,
312.990

65, 41.761,
311.293

39, 99.740,
312.983

71, 28.962,
310.773

36, 105.963,
312.604

77, 16.415,
310.277


34, 108.693,
312.197

83, 4.191, 309.799

89, 7.676, 129.434

96, 19.179,
129.054

98, 21.883,
122.731

 99, 21.220,
112.876

Harmonies

Complementary

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



53, 67.441, 312.317



79, 62.500, 127.248

Rectangle

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



53, 67.441, 312.317



53, 67.441, 2.317



53, 67.441, 132.317



53, 67.441, 182.317

Sweetspot

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



53, 67.440, 312.317



89, 22.601, 310.407



62, 35.654, 267.764



46, 15.301, 310.509



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, 67.440, 312.317



56, 92.753, 312.774



60, 70.514, 327.683



42, 6.896, 310.084



27, 92.029, 312.370



3, 29.094, 309.106

Inverse Universe

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



58, 51.501, 350.685



63, 69.129, 352.776



77, 71.056, 140.374



42, 5.466, 345.362



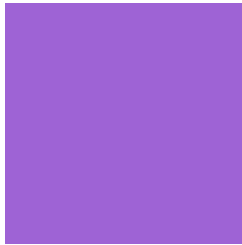
36, 62.653, 3.396



5, 23.358, 355.443

Previews

White Background



This preview shows how the CIELCh color 53, 67.441, 312.317 looks on a white background.

Color Contrast Check

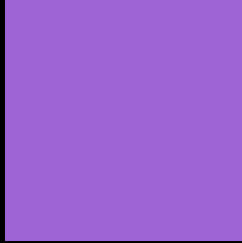
Large Text (above 18pt) WCAG AA ✓ Pass

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, 67.441, 312.317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

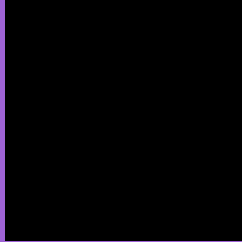
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 67.441, 312.317

Background



This preview shows how black text looks on a background with the CIELCh color 53, 67.441, 312.317.

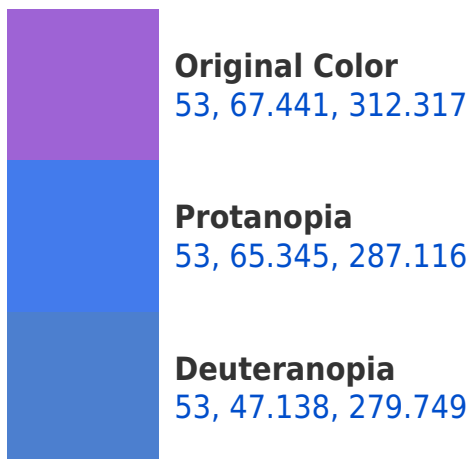


This preview shows how white text looks on a background with the CIELCh color 53, 67.441, 312.317.

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, 67.441, 312.317



Protanomaly
52, 65.782, 294.673



Deuteranomaly
52, 53.226, 293.143



Tritanomaly
52, 30.986, 319.212

Monochromacy



Original Color
53, 67.441, 312.317



Achromatopsia
54, 0.007, 296.813



Achromatomaly
53, 25.042, 310.676

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 67.441, 312.317 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(158, 99, 213)` looks like.

```
.text, #text, p{  
    color:rgb(158, 99, 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(158, 99, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 99, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 67.441, 312.317 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(158, 99, 213) }
```

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

```
.border{ border-color:rgb(158, 99, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 99, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 99, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 99, 213);  
box-shadow:4px 4px 4px 4px rgb(158, 99,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 67.441, 312.317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 99, 213) }
```

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

```
.background{ background-color: rgb(158, 99,  
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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