

Converting Colors

CIELCh(53, 66.651, 308.227)

Have a look what the booklet for
CIELCh(53, 66.651, 308.227)
contains.

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Color

CIELCh(53, 66.114, 308.137)

Conversions

Conversions Part 1

Format	Color
Hex	9368D9
RGB	147, 104, 217
RGB Percent	58%, 41%, 85%
CMY	0.4243, 0.5929, 0.1498
CMYK	0.32, 0.52, 0.00, 0.15
HSL	263°, 60%, 63%
HSV	263°, 52%, 85%
XYZ	29.4247, 21.0462, 68.0149
YIQ	129.7390, -10.6450, 44.2590

Conversions

Conversions Part 2

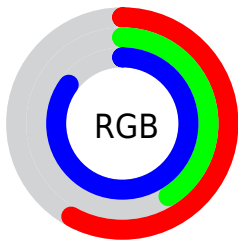
Format	Color
R_{YB}	147, 104, 217
Decimal	9660633
CIE _{Lab}	53.00, 40.83, -52.00
CIE _{LCh}	53, 66.114, 308.137
Yxy	21.0462, 0.2483, 0.1776
Android (android.graphics.Color)	4287850713 (0xFF9368D9)
YUV	129.7390, 43.0197, 15.1379
Hunter-Lab	45.8761, 34.2056, -55.7887

Details

The CIELCh color **53, 66.114, 308.137** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **82, 59.709, 122.182**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 56.052, 310.544**, and **33, 65.835, 308.178** is the 20% darker color. If you saturate the color by 10%, you get **47, 79.098, 308.841**, and if you desaturate by 10%, it is **59, 52.904, 307.403**.

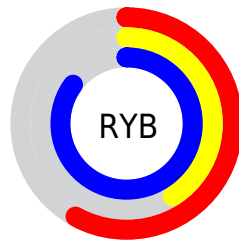
Distribution



Red (58%)

Green (41%)

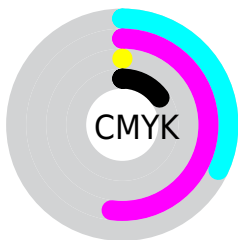
Blue (85%)



Red (58%)

Yellow (41%)

Blue (85%)

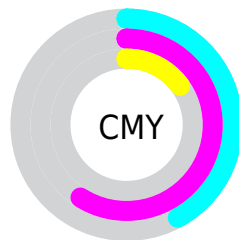


Cyan (32%)

Magenta (52%)

Yellow (0%)

Black (15%)



Cyan (42%)


Magenta (59%)


Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 66.114, 308.137 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, 66.114, 308.137 by changing the saturation by 10% instead.


 53, 66.114,
308.137


 53, 66.114,
308.137


 100, 66.114,
308.137


 43, 66.114,
308.137


 73, 66.114,
308.137


 33, 66.114,
308.137


 83, 66.114,
308.137

 23, 66.114,
308.137

 93, 66.114,
308.137

 13, 66.114,
308.137

 3, 66.114, 308.137

 0, 66.114, 308.137

53, 66.114,
308.137

53, 66.114,
308.137

47, 79.098,
308.841

59, 52.904,
307.403

42, 91.271,
309.430

66, 39.806,
306.691

37, 101.732,
309.775

72, 26.994,
306.027

33, 109.377,
309.723

79, 14.550,
305.424


31, 113.327,
309.418

85, 2.503, 304.860

92, 9.142, 124.429

98, 20.069,
123.672

99, 19.319,
109.538

 99, 19.315,
108.716

Harmonies

Complementary

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



53, 66.114, 308.137



82, 59.709, 122.182

Rectangle

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



53, 66.114, 308.137



53, 66.114, 358.137



53, 66.114, 128.137



53, 66.114, 178.137

Sweetspot

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



53, 66.113, 308.137



88, 22.069, 305.660



69, 29.903, 248.450



45, 14.950, 305.785



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, 66.113, 308.137



54, 91.505, 308.938



59, 69.176, 323.058



43, 6.854, 305.272



24, 95.759, 309.575



3, 30.507, 304.947

Inverse Universe

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



60, 55.015, 342.440



64, 73.234, 343.933



79, 68.533, 137.342



43, 6.124, 338.394



38, 66.104, 351.087



6, 26.638, 346.154

Previews

White Background



This preview shows how the CIELCh color 53, 66.114, 308.137 looks on a white background.

Color Contrast Check

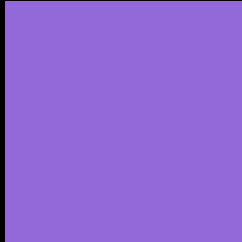
Large Text (above 18pt) WCAG AA ✓ Pass

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, 66.114, 308.137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

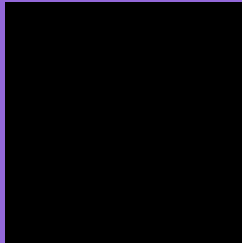
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 66.114, 308.137

Background



This preview shows how black text looks on a background with the CIELCh color 53, 66.114, 308.137.

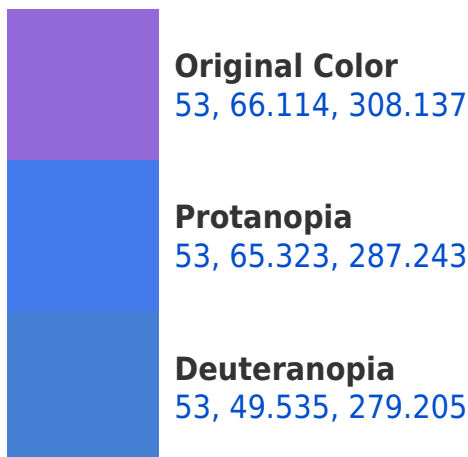



This preview shows how white text looks on a background with the CIELCh color 53, 66.114, 308.137.

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, 6.282, 312.765

Trichromacy



Original Color
53, 66.114, 308.137



Protanomaly
53, 65.142, 293.513



Deuteranomaly
52, 54.956, 290.559



Tritanomaly
53, 28.225, 307.222

Monochromacy



Original Color
53, 66.114, 308.137



Achromatopsia
54, 0.007, 296.813



Achromatomaly
53, 25.099, 306.257

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 66.114, 308.137 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(147, 104, 217)` looks like.

```
.text, #text, p{  
    color:rgb(147, 104, 217)  
}
```

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(147, 104, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 104, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 66.114, 308.137 is called "border". The border property can be set on classes, ids or directly on the HTML element.

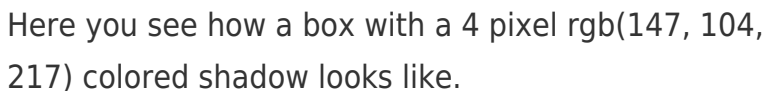
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 104, 217) }
```

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

```
.border{ border-color:rgb(147, 104, 217) }
```

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



Here you see how a box with a 4 pixel `rgb(147, 104, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 104, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 104, 217); box-shadow:4px 4px 4px 4px rgb(147, 104, 217) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 66.114, 308.137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 104, 217) }
```

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

```
.background{ background-color: rgb(147,  
104, 217) }
```

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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