

Converting Colors

CIELCh(53, 82.546, 308.575)

Have a look what the booklet for
CIELCh(53, 82.546, 308.575)
contains.

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Color

CIELCh(53, 82.462, 308.633)

Conversions

Conversions Part 1

Format	Color
Hex	9660EF
RGB	150, 96, 239
RGB Percent	59%, 38%, 94%
CMY	0.4122, 0.6239, 0.0632
CMYK	0.37, 0.60, 0.00, 0.06
HSL	263°, 82%, 66%
HSV	263°, 60%, 94%
XYZ	32.2939, 21.0462, 83.9339
YIQ	128.4480, -13.7190, 55.9210

Conversions

Conversions Part 2

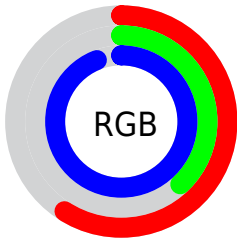
Format	Color
R_{YB}	150, 96, 239
Decimal	9855215
CIE _{Lab}	53.00, 51.48, -64.42
CIE _{LCh}	53, 82.462, 308.633
Yxy	21.0462, 0.2353, 0.1533
Android (android.graphics.Color)	4288045295 (0xFF9660EF)
YUV	128.4480, 54.5021, 18.9011
Hunter-Lab	45.8761, 45.3697, -76.3624

Details

The CIELCh color **53, 82.462, 308.633** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **88, 72.987, 121.811**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 60.742, 313.282**, and **33, 82.622, 308.676** is the 20% darker color. If you saturate the color by 10%, you get **47, 95.878, 309.264**, and if you desaturate by 10%, it is **60, 68.316, 307.907**.

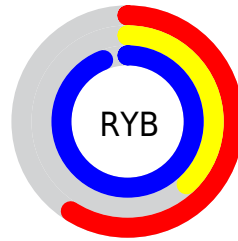
Distribution



Red (59%)

Green (38%)

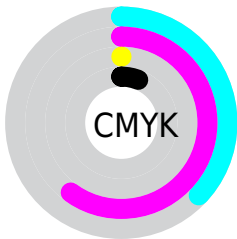
Blue (94%)



Red (59%)

Yellow (38%)

Blue (94%)

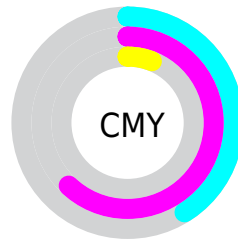


Cyan (37%)

Magenta (60%)

Yellow (0%)

Black (6%)



Cyan (41%)


Magenta (62%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 82.462, 308.633 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, 82.462, 308.633 by changing the saturation by 10% instead.


 53, 82.462,
308.633


 53, 82.462,
308.633


 100, 82.462,
308.633


 43, 82.462,
308.633


 73, 82.462,
308.633

 33, 82.462,
308.633

 83, 82.462,
308.633

 23, 82.462,
308.633

 93, 82.462,
308.633

 13, 82.462,
308.633

 3, 82.462, 308.633

 0, 82.462, 308.633

53, 82.462,
308.633

53, 82.462,
308.633

47, 95.878,
309.264

60, 68.316,
307.907

42, 107.644,
309.675

66, 54.022,
307.164

38, 116.560,
309.713

73, 39.904,
306.452

35, 122.009,
309.317

80, 26.124,
305.793

35, 122.080,
309.312

87, 12.757,
305.196

95, 0.174, 125.177

100, 8.169,
112.135

100, 8.156,
109.558

Harmonies

Complementary

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



53, 82.462, 308.633



88, 72.987, 121.811

Rectangle

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



53, 82.462, 308.633



53, 82.462, 358.633



53, 82.462, 128.633



53, 82.462, 178.633

Sweetspot

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



53, 82.461, 308.633



87, 24.898, 305.682



72, 36.215, 250.816



44, 17.384, 305.864



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, 82.461, 308.633



49, 103.902, 309.388



61, 84.363, 323.293



46, 7.371, 305.175



26, 100.013, 309.483



4, 39.118, 308.253

Inverse Universe

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



62, 66.938, 343.303



61, 80.243, 345.168



85, 83.749, 136.700



47, 6.602, 338.270



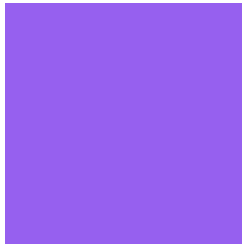
40, 69.010, 350.979



9, 31.003, 346.769

Previews

White Background



This preview shows how the CIELCh color 53, 82.462, 308.633 looks on a white background.

Color Contrast Check

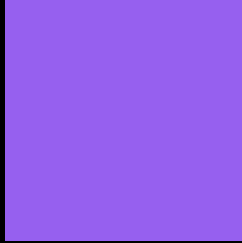
Large Text (above 18pt) WCAG AA ✓ Pass

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, 82.462, 308.633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

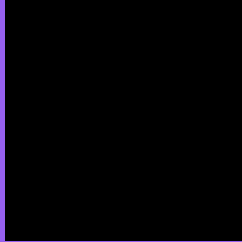
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 82.462, 308.633

Background



This preview shows how black text looks on a background with the CIELCh color 53, 82.462, 308.633.

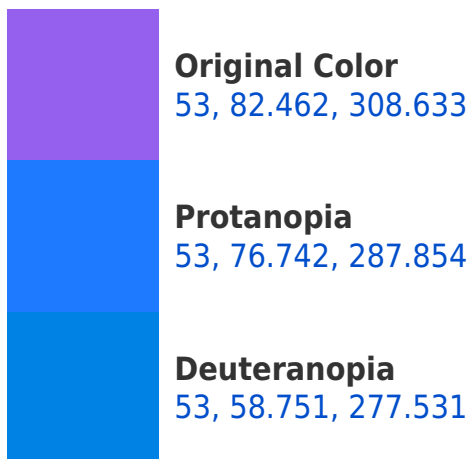



This preview shows how white text looks on a background with the CIELCh color 53, 82.462, 308.633.

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, 5.928, 302.214

Trichromacy



Original Color
53, 82.462, 308.633



Protanomaly
52, 78.375, 293.253



Deuteranomaly
51, 67.008, 287.420



Tritanomaly
52, 35.231, 306.544

Monochromacy



Original Color
53, 82.462, 308.633



Achromatopsia
54, 0.007, 296.813



Achromatomaly
52, 31.117, 306.714

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 82.462, 308.633 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(150, 96, 239)` looks like.

```
.text, #text, p{  
    color:rgb(150, 96, 239)  
}
```

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(150, 96, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 96, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 82.462, 308.633 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(150, 96, 239) }
```

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

```
.border{ border-color:rgb(150, 96, 239) }
```

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

Here you see how a box with a 4 pixel rgb(150, 96, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 96, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 96, 239);  
box-shadow:4px 4px 4px 4px rgb(150, 96,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 82.462, 308.633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 96, 239) }
```

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

```
.background{ background-color: rgb(150, 96,  
239) }
```

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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