

Converting Colors

CIELCh(53, 80.841, 303.337)

Have a look what the booklet for
CIELCh(53, 80.841, 303.337)
contains.

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Color

CIELCh(53, 80.397, 303.199)

Conversions

Conversions Part 1

Format	Color
Hex	8168F4
RGB	129, 104, 244
RGB Percent	51%, 41%, 96%
CMY	0.4948, 0.5927, 0.0438
CMYK	0.47, 0.57, 0.00, 0.04
HSL	251°, 86%, 68%
HSV	251°, 57%, 96%
XYZ	30.2658, 21.0462, 87.9197
YIQ	127.4350, -30.0400, 48.8400

Conversions

Conversions Part 2

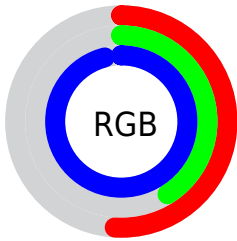
Format	Color
R_{YB}	129, 104, 244
Decimal	8481012
CIE _{Lab}	53.00, 44.02, -67.27
CIE _{LCh}	53, 80.397, 303.199
Yxy	21.0462, 0.2174, 0.1512
Android (android.graphics.Color)	4286671092 (0xFF8168F4)
YUV	127.4350, 57.4665, 1.3725
Hunter-Lab	45.8761, 37.4786, -81.5136

Details

The CIELCh color $53, 80.397, 303.199$ is a light color, and the websafe version is hex $6666FF$. A complement of this color would be $92, 68.884, 113.280$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 55.167, 305.362$, and $33, 80.792, 303.364$ is the 20% darker color. If you saturate the color by 10%, you get $46, 95.201, 304.558$, and if you desaturate by 10%, it is $60, 65.403, 301.861$.

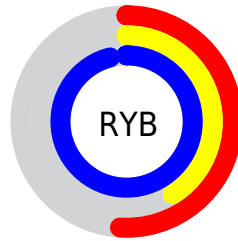
Distribution



Red (51%)

Green (41%)

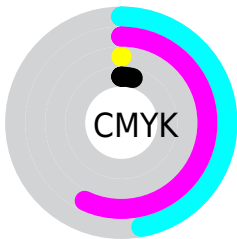
Blue (96%)



Red (51%)

Yellow (41%)

Blue (96%)

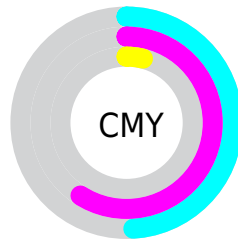


Cyan (47%)

Magenta (57%)

Yellow (0%)

Black (4%)



Cyan (49%)


Magenta (59%)


Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 80.397, 303.199 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, 80.397, 303.199 by changing the saturation by 10% instead.


 53, 80.397,
303.199


 53, 80.397,
303.199


 100, 80.397,
303.199


 43, 80.397,
303.199


 73, 80.397,
303.199

 33, 80.397,
303.199

 83, 80.397,
303.199

 23, 80.397,
303.199

 93, 80.397,
303.199

 13, 80.397,
303.199

 3, 80.397, 303.199

 0, 80.397, 303.199

53, 80.397,
303.199

53, 80.397,
303.199

46, 95.201,
304.558

60, 65.403,
301.861

40, 108.883,
305.784

68, 50.680,
300.622

35, 119.911,
306.651

75, 36.420,
299.515

32, 126.647,
306.941

83, 22.682,
298.546

32, 127.934,
306.982

91, 9.470, 297.706

98, 3.237, 116.985

100, 5.652,
109.742

Harmonies

Complementary

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



53, 80.397, 303.199



92, 68.884, 113.280

Rectangle

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



53, 80.397, 303.199



53, 80.397, 353.199



53, 80.397, 123.199



53, 80.397, 173.199

Sweetspot

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



53, 80.397, 303.200



87, 22.955, 298.513



82, 33.991, 218.963



44, 15.414, 298.696



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, 80.397, 303.200



47, 101.096, 304.789



60, 81.293, 317.025



47, 7.318, 297.871



23, 104.317, 307.082



3, 40.441, 303.764

Inverse Universe

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



65, 74.758, 333.563



64, 88.646, 334.416



88, 77.529, 131.849



48, 7.740, 330.343



42, 79.387, 336.877



10, 35.936, 335.535

Previews

White Background



This preview shows how the CIELCh color 53, 80.397, 303.199 looks on a white background.

Color Contrast Check

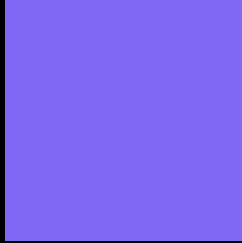
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.397, 303.199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

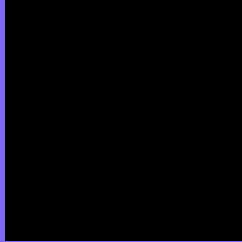
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 80.397, 303.199

Background



This preview shows how black text looks on a background with the CIELCh color 53, 80.397, 303.199.



This preview shows how white text looks on a background with the CIELCh color 53, 80.397, 303.199.

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, 12.282, 229.919

Trichromacy



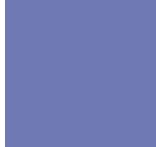
Original Color
53, 80.397, 303.199



Protanomaly
52, 78.380, 291.967



Deuteranomaly
52, 65.365, 285.401



Tritanomaly
52, 33.700, 288.856

Monochromacy



Original Color
53, 80.397, 303.199



Achromatopsia
53, 0.007, 296.813



Achromatomaly
53, 29.271, 299.724

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 80.397, 303.199 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(129, 104, 244)` looks like.

```
.text, #text, p{  
    color:rgb(129, 104, 244)  
}
```

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(129, 104, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 104, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 80.397, 303.199 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(129, 104, 244) }
```

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

```
.border{ border-color:rgb(129, 104, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 104, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 104, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 104, 244);  
box-shadow:4px 4px 4px 4px rgb(129, 104,  
244) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 80.397, 303.199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 104, 244) }
```

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

```
.background{ background-color: rgb(129,  
104, 244) }
```

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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