

Converting Colors

CIELCh(38, 115.953, 303.888)

Have a look what the booklet for
CIELCh(38, 115.953, 303.888)
contains.

CIELCh(38, 115.606, 303.813)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(38, 115.606, 303.813)

Conversions

Conversions Part 1

Format	Color
Hex	3234FB
RGB	50, 52, 251
RGB Percent	20%, 20%, 98%
CMY	0.8043, 0.7963, 0.0159
CMYK	0.80, 0.79, 0.00, 0.02
HSL	239°, 96%, 59%
HSV	239°, 80%, 98%
XYZ	19.9388, 10.0881, 92.1145
YIQ	74.0880, -65.0710, 61.4650

Conversions

Conversions Part 2

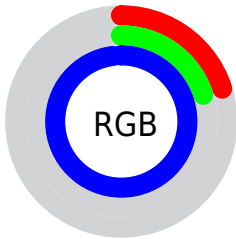
Format	Color
R _{YB}	50, 52, 251
Decimal	3290363
CIE Lab	38.00, 64.33, -96.05
CIE LCh	38, 115.606, 303.813
Yxy	10.0881, 0.1632, 0.0826
Android (android.graphics.Color)	4281480443 (0xFF3234FB)
YUV	74.0880, 87.2176, -21.1252
Hunter-Lab	31.7617, 56.4727, -149.7182

Details

The CIELCh color **38, 115.606, 303.813** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **95, 88.254, 102.797**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 86.779, 303.815**, and **23, 108.515, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **34, 126.257, 305.394**, and if you desaturate by 10%, it is **44, 101.491, 301.712**.

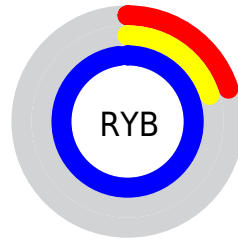
Distribution



Red (20%)

Green (20%)

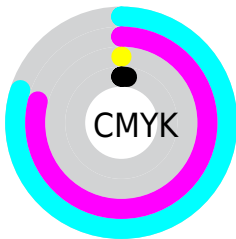
Blue (98%)



Red (20%)

Yellow (20%)

Blue (98%)

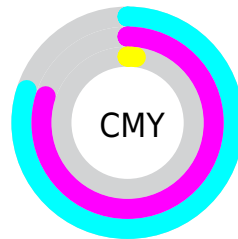


Cyan (80%)

Magenta (79%)

Yellow (0%)

Black (2%)



Cyan (80%)


Magenta (80%)


Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 115.606, 303.813 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 38, 115.606, 303.813 by changing the saturation by 10% instead.


 38, 115.606,
303.813


 38, 115.606,
303.813


 100, 115.606,
303.813


 28, 115.606,
303.813


 58, 115.606,
303.813


 18, 115.606,
303.813


 68, 115.606,
303.813

 8, 115.606,
303.813

 78, 115.606,
303.813

 0, 115.606,
303.813

 88, 115.606,
303.813

 98, 115.606,
303.813

■ 38, 115.606,
303.813

■ 38, 115.606,
303.813

■ 34, 126.257,
305.394

■ 44, 101.491,
301.712

■ 32, 131.796,
306.204

■ 51, 85.986,
299.437

■ 58, 70.352,
297.247

■ 66, 55.133,
295.272

■ 74, 40.506,
293.554

■ 82, 26.489,
292.087

■ 90, 13.053,
290.844

■ 99, 0.155, 290.306

100, 2.047,
109.987

Harmonies

Complementary

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



38, 115.606, 303.813



95, 88.254, 102.797

Rectangle

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



38, 115.606, 303.813



38, 115.606, 353.813



38, 115.606, 123.813



38, 115.606, 173.813

Sweetspot

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



38, 115.608, 303.814



80, 32.284, 292.631



90, 47.869, 194.355



40, 22.347, 293.160



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38, 115.608, 303.814



33, 131.692, 305.963



46, 110.833, 312.147



48, 7.303, 290.774



23, 106.244, 306.168



3, 41.727, 300.650

Inverse Universe

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



55, 87.681, 33.702



54, 102.208, 38.938



90, 97.522, 125.956



49, 5.166, 19.120



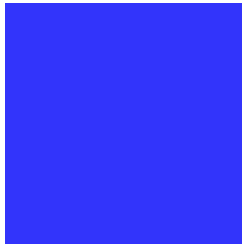
39, 82.922, 39.591



9, 32.120, 25.735

Previews

White Background



This preview shows how the CIE LCh color 38, 115.606, 303.813 looks on a white background.

Color Contrast Check

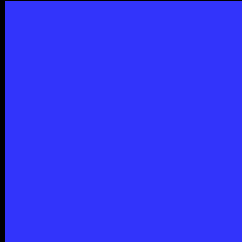
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 38, 115.606, 303.813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

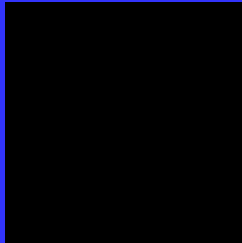
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 115.606, 303.813

Background



This preview shows how black text looks on a background with the CIELCh color 38, 115.606, 303.813.



This preview shows how white text looks on a background with the CIELCh color 38, 115.606, 303.813.

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



Original Color

38, 115.606, 303.813

Protanopia

37, 58.072, 286.333

Deuteranopia

37, 39.670, 271.693



Tritanopia
37, 24.209, 203.968

Trichromacy



Original Color
38, 115.606, 303.813

Protanomaly
37, 80.442, 296.032

Deuteranomaly
36, 68.270, 292.449

Tritanomaly
35, 47.881, 283.068

Monochromacy



Original Color
38, 115.606, 303.813

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 45.515, 297.246

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 115.606, 303.813 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(50, 52, 251)` looks like.

```
.text, #text, p{  
    color:rgb(50, 52, 251)  
}
```

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(50, 52, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 52, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 115.606, 303.813 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(50, 52, 251) }
```

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

```
.border{ border-color:rgb(50, 52, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 52, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 52, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 52, 251);  
box-shadow:4px 4px 4px 4px rgb(50, 52,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 115.606, 303.813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 52, 251) }
```

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

```
.background{ background-color: rgb(50, 52,  
251) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor