

Converting Colors

CIELCh(38, 117.417, 303.959)

Have a look what the booklet for
CIELCh(38, 117.417, 303.959)
contains.

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Color

CIELCh(38, 117.066, 303.927)

Conversions

Conversions Part 1

Format	Color
Hex	3133FD
RGB	49, 51, 253
RGB Percent	19%, 20%, 99%
CMY	0.8088, 0.8005, 0.0083
CMYK	0.81, 0.80, 0.00, 0.01
HSL	239°, 98%, 59%
HSV	239°, 81%, 99%
XYZ	20.1420, 10.0881, 93.7061
YIQ	73.4300, -66.0340, 62.3980

Conversions

Conversions Part 2

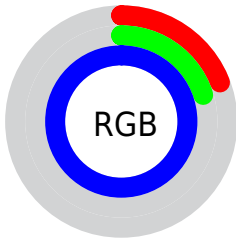
Format	Color
R _Y B	49, 51, 253
Decimal	3224573
CIE Lab	38.00, 65.34, -97.14
CIE LCh	38, 117.066, 303.927
Yxy	10.0881, 0.1625, 0.0814
Android (android.graphics.Color)	4281414653 (0xFF3133FD)
YUV	73.4300, 88.5280, -21.4251
Hunter-Lab	31.7617, 57.6147, -152.6894

Details

The CIELCh color **38, 117.066, 303.927** 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 **96, 89.129, 102.752**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 87.374, 303.993**, and **23, 109.353, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **34, 127.489, 305.466**, and if you desaturate by 10%, it is **44, 103.014, 301.846**.

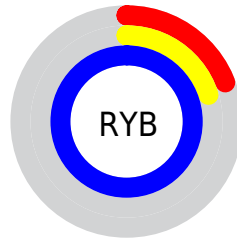
Distribution



Red (19%)

Green (20%)

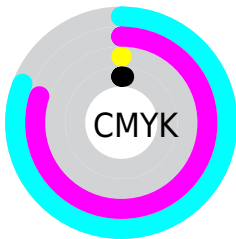
Blue (99%)



Red (19%)

Yellow (20%)

Blue (99%)

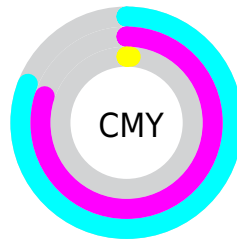


Cyan (81%)

Magenta (80%)

Yellow (0%)

Black (1%)



Cyan (81%)


Magenta (80%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 117.066, 303.927 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, 117.066, 303.927 by changing the saturation by 10% instead.


 38, 117.066,
303.927


 38, 117.066,
303.927


 100, 117.066,
303.927


 28, 117.066,
303.927


 58, 117.066,
303.927


 18, 117.066,
303.927


 68, 117.066,
303.927

 8, 117.066,
303.927

 78, 117.066,
303.927

 0, 117.066,
303.927

 88, 117.066,
303.927

 98, 117.066,
303.927

■ 38, 117.066,
303.927

■ 38, 117.066,
303.927

■ 34, 127.489,
305.466

■ 44, 103.014,
301.846

■ 32, 132.556,
306.202

■ 51, 87.457,
299.571

■ 58, 71.715,
297.370

■ 66, 56.373,
295.378

■ 74, 41.620,
293.643

■ 82, 27.483,
292.160

■ 91, 13.933,
290.904

■ 99, 0.926, 289.921

100, 1.068,
110.026

Harmonies

Complementary

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



38, 117.066, 303.927



96, 89.129, 102.752

Rectangle

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



38, 117.066, 303.927



38, 117.066, 353.927



38, 117.066, 123.927



38, 117.066, 173.927

Sweetspot

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



38, 117.068, 303.928



80, 32.275, 292.621



91, 48.277, 194.336



40, 22.340, 293.150



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, 117.068, 303.928



33, 132.131, 306.026



46, 112.111, 312.144



49, 7.423, 290.766



23, 107.308, 306.167



3, 43.797, 301.589

Inverse Universe

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



55, 88.847, 33.927



53, 102.692, 39.134



90, 98.565, 125.986



49, 5.253, 19.100



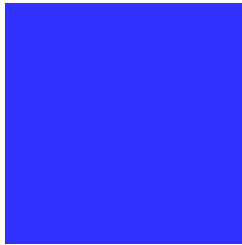
40, 83.751, 39.587



10, 33.280, 26.762

Previews

White Background



This preview shows how the CIELCh color 38, 117.066, 303.927 looks on a white background.

Color Contrast Check

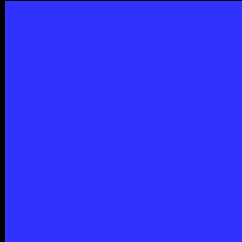
Large Text (above 18pt) WCAG AA ✓ Pass

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, 117.066, 303.927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

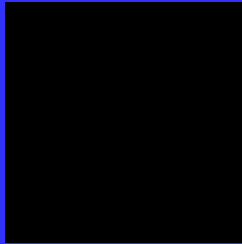
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 117.066, 303.927

Background



This preview shows how black text looks on a background with the CIELCh color 38, 117.066, 303.927.



This preview shows how white text looks on a background with the CIELCh color 38, 117.066, 303.927.

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, 117.066, 303.927

Protanopia

37, 58.072, 286.333

Deuteranopia

37, 39.670, 271.693



Tritanopia
37, 24.209, 203.968

Trichromacy



Original Color
38, 117.066, 303.927

Protanomaly
37, 80.995, 296.140

Deuteranomaly
36, 69.498, 292.979

Tritanomaly
35, 47.881, 283.068

Monochromacy



Original Color
38, 117.066, 303.927

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 46.213, 297.400

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 117.066, 303.927 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(49, 51, 253)` looks like.

```
.text, #text, p{  
    color:rgb(49, 51, 253)  
}
```

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(49, 51, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 51, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 117.066, 303.927 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(49, 51, 253) }
```

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

```
.border{ border-color:rgb(49, 51, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 51, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 51, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 51, 253);  
box-shadow:4px 4px 4px 4px rgb(49, 51,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 117.066, 303.927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 51, 253) }
```

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

```
.background{ background-color: rgb(49, 51,  
253) }
```

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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