

Converting Colors

CIELCh(38, 117.848, 304.139)

Have a look what the booklet for
CIELCh(38, 117.848, 304.139)
contains.

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Color

CIELCh(38, 117.928, 304.137)

Conversions

Conversions Part 1

Format	Color
Hex	3232FE
RGB	50, 50, 254
RGB Percent	20%, 20%, 100%
CMY	0.8021, 0.8049, 0.0050
CMYK	0.80, 0.80, 0.00, 0.01
HSL	240°, 99%, 60%
HSV	240°, 80%, 99%
XYZ	20.3126, 10.0881, 94.4073
YIQ	73.2560, -65.4840, 63.4440

Conversions

Conversions Part 2

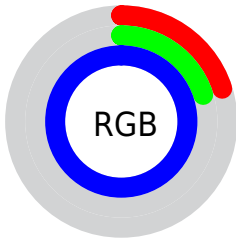
Format	Color
RYB	50, 50, 254
Decimal	3289854
CIELab	38.00, 66.18, -97.61
CIElCh	38, 117.928, 304.137
Yxy	10.0881, 0.1628, 0.0808
Android (android.graphics.Color)	4281479934 (0xFF3232FE)
YUV	73.2560, 89.1068, -20.3955
Hunter-Lab	31.7617, 58.5735, -153.9983

Details

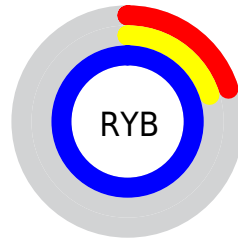
The CIELCh color **38, 117.928, 304.137** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **97, 89.857, 103.523**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 87.953, 304.323**, and **24, 109.772, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **34, 128.220, 305.590**, and if you desaturate by 10%, it is **44, 103.840, 302.126**.

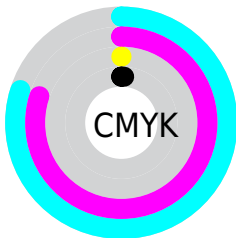
Distribution



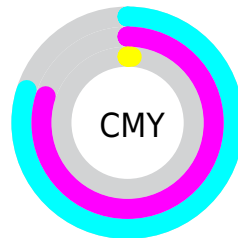
- Red (20%)
- Green (20%)
- Blue (100%)



- Red (20%)
- Yellow (20%)
- Blue (100%)



- Cyan (80%)
- Magenta (80%)
- Yellow (0%)
- Black (1%)





- Cyan (80%)
- Magenta (80%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 117.928, 304.137 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 38, 117.928, 304.137 by changing the saturation by 10% instead.


 38, 117.928,
304.137


 38, 117.928,
304.137


 100, 117.928,
304.137


 28, 117.928,
304.137


 58, 117.928,
304.137


 18, 117.928,
304.137


 68, 117.928,
304.137

 8, 117.928,
304.137

 78, 117.928,
304.137

 0, 117.928,
304.137

 88, 117.928,
304.137

 98, 117.928,
304.137

■ 38, 117.928,
304.137

■ 38, 117.928,
304.137

■ 34, 128.220,
305.590

■ 44, 103.840,
302.126

■ 32, 133.291,
306.294

■ 51, 88.141,
299.908

■ 58, 72.212,
297.753

■ 67, 56.672,
295.799

■ 75, 41.725,
294.095

■ 83, 27.404,
292.638

■ 91, 13.682,
291.405

■ 99, 0.515, 290.500

100, 0.638,
110.009

Harmonies

Complementary

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



38, 117.928, 304.137



97, 89.857, 103.523

Rectangle

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



38, 117.928, 304.137



38, 117.928, 354.137



38, 117.928, 124.137



38, 117.928, 174.137

Sweetspot

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



38, 117.930, 304.138



80, 32.636, 293.138



91, 47.850, 196.506



40, 22.592, 293.660



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, 117.930, 304.138



33, 132.080, 306.054



47, 111.865, 312.564



49, 7.504, 291.306



23, 107.763, 306.297



3, 44.136, 301.831

Inverse Universe

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



62, 108.241, 328.155



60, 114.592, 328.351



91, 99.076, 126.551



50, 9.035, 325.041



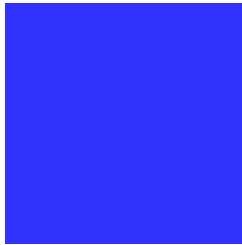
45, 92.826, 328.373



12, 42.719, 328.356

Previews

White Background



This preview shows how the CIELCh color 38, 117.928, 304.137 looks on a white background.

Color Contrast Check

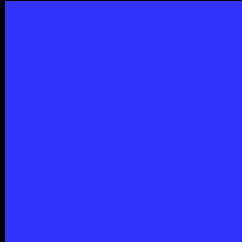
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 38, 117.928, 304.137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

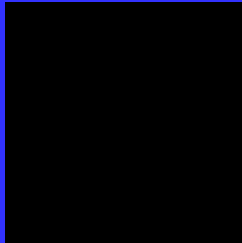
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 117.928, 304.137

Background



This preview shows how black text looks on a background with the CIELCh color 38, 117.928, 304.137.



This preview shows how white text looks on a background with the CIELCh color 38, 117.928, 304.137.

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



Original Color

38, 117.966, 304.097

Protanopia

37, 58.072, 286.333

Deuteranopia

37, 39.670, 271.693



Tritanopia
37, 24.209, 203.968

Trichromacy



Original Color
38, 117.966, 304.097

Protanomaly
36, 81.642, 296.421

Deuteranomaly
36, 69.498, 292.979

Tritanomaly
35, 49.078, 284.045

Monochromacy



Original Color
38, 117.966, 304.097

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 46.808, 297.802

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 117.928, 304.137 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(50, 50, 254)` looks like.

```
.text, #text, p{  
    color:rgb(50, 50, 254)  
}
```

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, 50, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 50, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 117.928, 304.137 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(50, 50, 254) }
```

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

```
.border{ border-color:rgb(50, 50, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 50, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 50, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 50, 254);  
box-shadow:4px 4px 4px 4px rgb(50, 50,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 117.928, 304.137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 50, 254) }
```

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

```
.background{ background-color: rgb(50, 50,  
254) }
```

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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