

Converting Colors

CIELCh(38, 118.893, 304.086)

Have a look what the booklet for
CIELCh(38, 118.893, 304.086)
contains.

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Color

CIELCh(38, 118.966, 304.147)

Conversions

Conversions Part 1

Format	Color
Hex	3031FF
RGB	48, 49, 255
RGB Percent	19%, 19%, 100%
CMY	0.8098, 0.8071, 0.0000
CMYK	0.81, 0.81, 0.00, 0.00
HSL	240°, 100%, 60%
HSV	240°, 81%, 100%
XYZ	20.4351, 10.0881, 95.6715
YIQ	72.1850, -66.7220, 63.8540

Conversions

Conversions Part 2

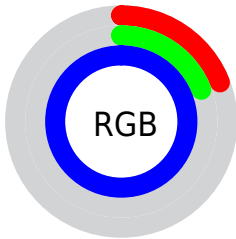
Format	Color
R_{YB}	48, 49, 255
Decimal	3158527
CIE _{Lab}	38.00, 66.78, -98.46
CIE _{LCh}	38, 118.966, 304.147
Yxy	10.0881, 0.1619, 0.0799
Android (android.graphics.Color)	4281348607 (0xFF3031FF)
YUV	72.1850, 90.1278, -21.2102
Hunter-Lab	31.7617, 59.2619, -156.3582

Details

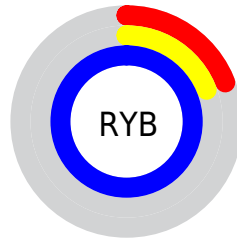
The CIELCh color **38, 118.966, 304.147** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **97, 90.339, 103.123**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 87.967, 304.168**, and **24, 109.772, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **34, 128.987, 305.597**, and if you desaturate by 10%, it is **44, 104.841, 302.116**.

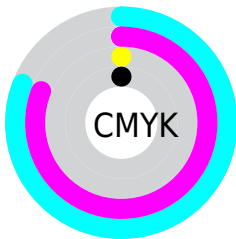
Distribution



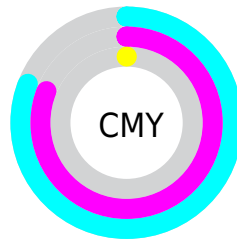
- Red (19%)
- Green (19%)
- Blue (100%)



- Red (19%)
- Yellow (19%)
- Blue (100%)



- Cyan (81%)
- Magenta (81%)
- Yellow (0%)
- Black (0%)





- Cyan (81%)
- Magenta (81%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 118.966, 304.147 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, 118.966, 304.147 by changing the saturation by 10% instead.


 38, 118.966,
304.147


 38, 118.966,
304.147


 100, 118.966,
304.147


 28, 118.966,
304.147


 58, 118.966,
304.147


 18, 118.966,
304.147


 68, 118.966,
304.147

 8, 118.966,
304.147

 78, 118.966,
304.147

 0, 118.966,
304.147

 88, 118.966,
304.147

 98, 118.966,
304.147

38, 118.966,
304.147

38, 118.966,
304.147

34, 128.987,
305.597

44, 104.841,
302.116

32, 133.683,
306.260

51, 89.143,
299.869

58, 73.183,
297.677

66, 57.600,
295.688

75, 42.610,
293.952

83, 28.248,
292.468

91, 14.485,
291.211

99, 1.279, 290.201

100, 0.012,
296.813

Harmonies

Complementary

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



38, 118.966, 304.147



97, 90.339, 103.123

Rectangle

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



38, 118.966, 304.147



38, 118.966, 354.147



38, 118.966, 124.147



38, 118.966, 174.147

Sweetspot

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



38, 118.860, 304.144



80, 32.518, 292.890



91, 48.645, 194.328



40, 22.510, 293.417



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, 118.860, 304.144



33, 132.393, 306.081



47, 113.120, 312.143



49, 7.478, 291.043



23, 107.628, 306.248



3, 44.020, 301.704

Inverse Universe

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



56, 90.108, 34.440



53, 102.939, 39.313



91, 99.414, 126.001



49, 5.253, 19.671



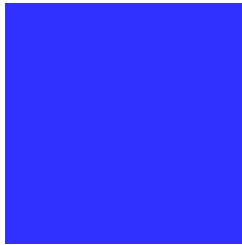
40, 84.073, 39.866



10, 33.339, 27.043

Previews

White Background



This preview shows how the CIELCh color 38, 118.966, 304.147 looks on a white background.

Color Contrast Check

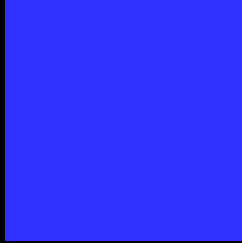
Large Text (above 18pt) WCAG AA ✓ Pass

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, 118.966, 304.147 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, 118.966, 304.147

Background



This preview shows how black text looks on a background with the CIELCh color 38, 118.966, 304.147.



This preview shows how white text looks on a background with the CIELCh color 38, 118.966, 304.147.

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, 118.966, 304.147

Protanopia

37, 58.072, 286.333

Deuteranopia

37, 39.670, 271.693



Tritanopia
37, 24.209, 203.968

Trichromacy



Original Color
38, 118.966, 304.147

Protanomaly
36, 82.193, 296.524

Deuteranomaly
36, 69.498, 292.979

Tritanomaly
35, 49.078, 284.045

Monochromacy



Original Color
38, 118.966, 304.147

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 47.517, 297.636

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 118.966, 304.147 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(48, 49, 255)` looks like.

```
.text, #text, p{  
    color:rgb(48, 49, 255)  
}
```

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(48, 49, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 49, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 118.966, 304.147 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(48, 49, 255) }
```

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

```
.border{ border-color:rgb(48, 49, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 49, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 49, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 49, 255);  
box-shadow:4px 4px 4px 4px rgb(48, 49,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 118.966, 304.147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 49, 255) }
```

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

```
.background{ background-color: rgb(48, 49,  
255) }
```

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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