

Converting Colors

CIELCh(38, 115.767, 305.060)

Have a look what the booklet for
CIELCh(38, 115.767, 305.060)
contains.

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Color

CIELCh(38, 115.767, 305.060)

Conversions

Conversions Part 1

Format	Color
Hex	4330F9
RGB	67, 48, 249
RGB Percent	26%, 19%, 98%
CMY	0.7391, 0.8129, 0.0247
CMYK	0.73, 0.81, 0.00, 0.02
HSL	246°, 94%, 58%
HSV	246°, 81%, 98%
XYZ	20.3784, 10.0881, 90.2413
YIQ	76.5950, -53.1970, 66.5390

Conversions

Conversions Part 2

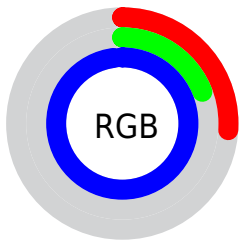
Format	Color
R _Y B	67, 48, 249
Decimal	4403449
CIE Lab	38.00, 66.50, -94.76
CIE LCh	38, 115.767, 305.060
Yxy	10.0881, 0.1688, 0.0836
Android (android.graphics.Color)	4282593529 (0xFF4330F9)
YUV	76.5950, 84.9957, -8.4148
Hunter-Lab	31.7617, 58.9433, -146.2215

Details

The CIELCh color **38, 115.767, 305.060** 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 **94, 89.101, 108.366**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 88.439, 305.759**, and **23, 107.676, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **34, 125.758, 306.101**, and if you desaturate by 10%, it is **44, 102.237, 303.527**.

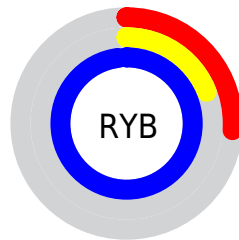
Distribution



Red (26%)

Green (19%)

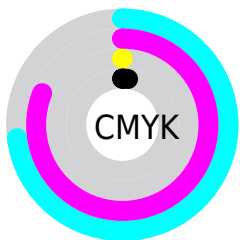
Blue (98%)



Red (26%)

Yellow (19%)

Blue (98%)

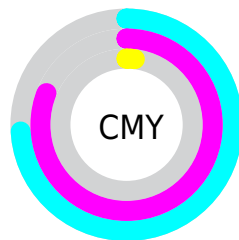


Cyan (73%)

Magenta (81%)

Yellow (0%)

Black (2%)



Cyan (74%)


Magenta (81%)


Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 115.767, 305.060 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, 115.767, 305.060 by changing the saturation by 10% instead.


 38, 115.767,
305.060


 38, 115.767,
305.060


 100, 115.767,
305.060


 28, 115.767,
305.060


 58, 115.767,
305.060


 18, 115.767,
305.060


 68, 115.767,
305.060

 8, 115.767,
305.060

 78, 115.767,
305.060

 0, 115.767,
305.060

 88, 115.767,
305.060

 98, 115.767,
305.060

■ 38, 115.767,
305.060

■ 38, 115.767,
305.060

■ 34, 125.758,
306.101

■ 44, 102.237,
303.527

■ 32, 130.797,
306.522

■ 51, 87.104,
301.792

■ 58, 71.629,
300.073

■ 66, 56.425,
298.488

■ 74, 41.729,
297.084

■ 81, 27.609,
295.866

■ 89, 14.057,
294.821

■ 97, 1.046, 293.958

100, 3.189,
109.916

Harmonies

Complementary

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



38, 115.767, 305.060



94, 89.101, 108.366

Rectangle

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



38, 115.767, 305.060



38, 115.767, 355.060



38, 115.767, 125.060



38, 115.767, 175.060

Sweetspot

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



38, 115.769, 305.061



81, 32.707, 296.238



85, 43.037, 208.745



40, 22.636, 296.673



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, 115.769, 305.061



33, 131.927, 306.400



48, 109.453, 314.769



48, 7.401, 294.696



23, 106.197, 306.583



3, 42.292, 302.831

Inverse Universe

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



60, 100.261, 331.557



59, 106.952, 332.304



88, 100.296, 129.228



49, 8.355, 327.607



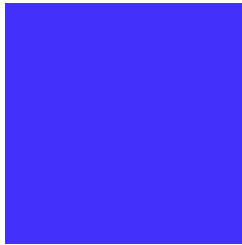
44, 85.619, 332.357



11, 39.098, 331.790

Previews

White Background



This preview shows how the CIELCh color 38, 115.767, 305.060 looks on a white background.

Color Contrast Check

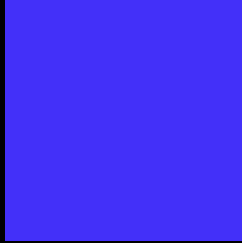
Large Text (above 18pt) WCAG AA ✓ Pass

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, 115.767, 305.060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

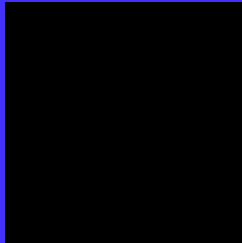
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 115.767, 305.060

Background



This preview shows how black text looks on a background with the CIELCh color 38, 115.767, 305.060.



This preview shows how white text looks on a background with the CIELCh color 38, 115.767, 305.060.

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, 115.767, 305.060

Protanopia

37, 58.639, 286.590

Deuteranopia

37, 40.189, 272.261



Tritanopia
37, 24.124, 205.527

Trichromacy



Original Color
38, 115.767, 305.060

Protanomaly
36, 81.673, 296.835

Deuteranomaly
36, 69.529, 293.518

Tritanomaly
35, 48.406, 284.329

Monochromacy



Original Color
38, 115.767, 305.060

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 46.068, 300.062

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 115.767, 305.060 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(67, 48, 249)` looks like.

```
.text, #text, p{  
    color:rgb(67, 48, 249)  
}
```

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(67, 48, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 48, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 115.767, 305.060 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(67, 48, 249) }
```

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

```
.border{ border-color:rgb(67, 48, 249) }
```

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

Here you see how a box with a 4 pixel rgb(67, 48, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 48, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 48, 249);  
box-shadow:4px 4px 4px 4px rgb(67, 48,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 115.767, 305.060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 48, 249) }
```

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

```
.background{ background-color: rgb(67, 48,  
249) }
```

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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