

Converting Colors

CIELCh(38, 117.030, 302.444)

Have a look what the booklet for
CIELCh(38, 117.030, 302.444)
contains.

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Color

CIELCh(38, 116.454, 302.367)

Conversions

Conversions Part 1

Format	Color
Hex	0638FF
RGB	6, 56, 255
RGB Percent	2%, 22%, 100%
CMY	0.9760, 0.7804, 0.0000
CMYK	0.98, 0.78, 0.00, 0.00
HSL	228°, 100%, 51%
HSV	228°, 98%, 100%
XYZ	19.5407, 10.0881, 95.5293
YIQ	63.7360, -93.6790, 51.2890

Conversions

Conversions Part 2

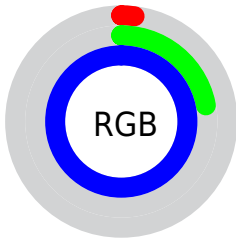
Format	Color
R _Y B	6, 48, 255
Decimal	407807
CIE Lab	38.00, 62.34, -98.36
CIE LCh	38, 116.454, 302.367
Yxy	10.0881, 0.1561, 0.0806
Android (android.graphics.Color)	4278597887 (0xFF0638FF)
YUV	63.7360, 94.2932, -50.6345
Hunter-Lab	31.7617, 54.2356, -156.0927

Details

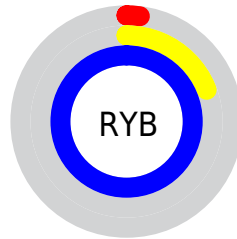
The CIELCh color **38, 116.454, 302.367** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **84, 84.928, 87.869**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 85.155, 301.247**, and **24, 108.840, 305.949** is the 20% darker color. If you saturate the color by 10%, you get **37, 118.943, 302.924**, and if you desaturate by 10%, it is **42, 104.811, 299.637**.

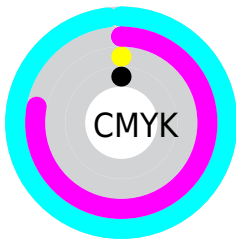
Distribution



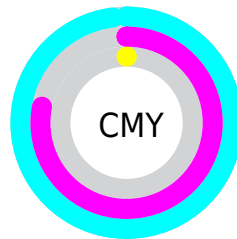
- Red (2%)
- Green (22%)
- Blue (100%)



- Red (2%)
- Yellow (19%)
- Blue (100%)



- Cyan (98%)
- Magenta (78%)
- Yellow (0%)
- Black (0%)





- Cyan (98%)
- Magenta (78%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 116.454, 302.367 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, 116.454, 302.367 by changing the saturation by 10% instead.


 38, 116.454,
302.367


 38, 116.454,
302.367


 100, 116.454,
302.367


 28, 116.454,
302.367


 58, 116.454,
302.367


 18, 116.454,
302.367


 68, 116.454,
302.367

 8, 116.454,
302.367

 78, 116.454,
302.367

 0, 116.454,
302.367

 88, 116.454,
302.367

 98, 116.454,
302.367

■ 38, 116.454,
302.367

■ 38, 116.454,
302.367

■ 37, 118.943,
302.924

■ 42, 104.811,
299.637

■ 48, 91.975,
296.625

■ 54, 78.904,
293.619

■ 60, 66.080,
290.814

■ 67, 53.670,
288.308

■ 74, 41.695,
286.127

■ 81, 30.125,
284.255

■ 88, 18.924,

282.658

■ 95, 8.061, 281.305

Harmonies

Complementary

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



38, 116.454, 302.367



84, 84.928, 87.869

Rectangle

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



38, 116.454, 302.367



38, 116.454, 352.367



38, 116.454, 122.367



38, 116.454, 172.367

Sweetspot

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



38, 116.453, 302.368



80, 31.718, 284.499



90, 63.299, 169.240



40, 21.910, 285.279



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, 116.453, 302.368



37, 118.943, 302.924



36, 129.319, 307.997



49, 6.042, 281.543



27, 94.417, 302.488



6, 37.635, 297.597

Inverse Universe

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



54, 92.393, 29.345



53, 93.879, 30.586



92, 101.254, 119.088



50, 5.430, 4.050



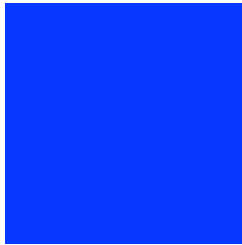
40, 74.923, 29.563



10, 31.981, 18.712

Previews

White Background



This preview shows how the CIELCh color 38, 116.454, 302.367 looks on a white background.

Color Contrast Check

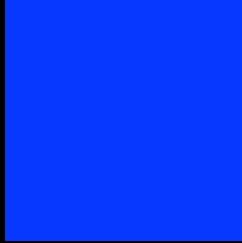
Large Text (above 18pt) WCAG AA ✓ Pass

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, 116.454, 302.367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

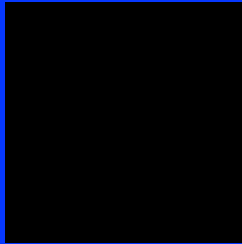
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 116.454, 302.367

Background



This preview shows how black text looks on a background with the CIELCh color 38, 116.454, 302.367.



This preview shows how white text looks on a background with the CIELCh color 38, 116.454, 302.367.

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, 116.454, 302.367

Protanopia

37, 58.072, 286.333

Deuteranopia

37, 39.670, 271.693



Tritanopia
37, 24.209, 203.968

Trichromacy



Original Color
38, 116.454, 302.367

Protanomaly
37, 81.010, 295.537

Deuteranomaly
36, 68.292, 291.641

Tritanomaly
35, 47.417, 280.987

Monochromacy



Original Color
38, 116.454, 302.367

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 46.275, 292.767

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 116.454, 302.367 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(6, 56, 255)` looks like.

```
.text, #text, p{  
    color:rgb(6, 56, 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(6, 56, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 56, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 116.454, 302.367 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(6, 56, 255) }
```

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

```
.border{ border-color:rgb(6, 56, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 56, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 56, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 56, 255);  
box-shadow:4px 4px 4px 4px rgb(6, 56, 255)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 116.454, 302.367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 56, 255) }
```

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

```
.background{ background-color: rgb(6, 56,  
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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