

Converting Colors

CIELCh(38, 116.963, 302.499)

Have a look what the booklet for
CIELCh(38, 116.963, 302.499)
contains.

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Color

CIELCh(38, 116.925, 302.541)

Conversions

Conversions Part 1

Format	Color
Hex	0D37FF
RGB	13, 55, 255
RGB Percent	5%, 22%, 100%
CMY	0.9508, 0.7831, 0.0000
CMYK	0.95, 0.78, 0.00, 0.00
HSL	229°, 100%, 52%
HSV	229°, 95%, 100%
XYZ	19.6506, 10.0881, 95.8399
YIQ	65.2420, -89.2320, 53.2960

Conversions

Conversions Part 2

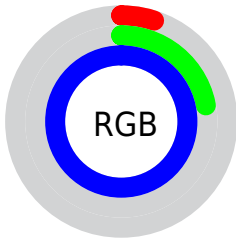
Format	Color
R _Y B	13, 49, 255
Decimal	866303
CIE Lab	38.00, 62.89, -98.57
CIE LCh	38, 116.925, 302.541
Yxy	10.0881, 0.1565, 0.0803
Android (android.graphics.Color)	4279056383 (0xFF0D37FF)
YUV	65.2420, 93.5507, -45.8162
Hunter-Lab	31.7617, 54.8527, -156.6724

Details

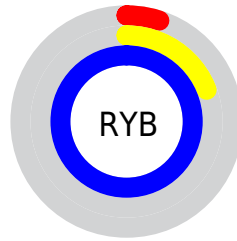
The CIELCh color **38, 116.925, 302.541** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **86, 85.571, 90.287**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 85.746, 301.598**, and **24, 109.285, 306.061** is the 20% darker color. If you saturate the color by 10%, you get **36, 121.787, 303.623**, and if you desaturate by 10%, it is **43, 104.755, 299.870**.

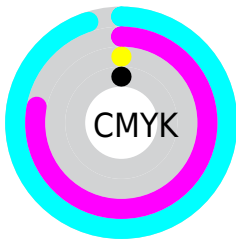
Distribution



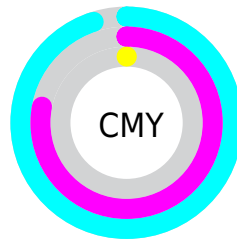
- Red (5%)
- Green (22%)
- Blue (100%)



- Red (5%)
- Yellow (19%)
- Blue (100%)



- Cyan (95%)
- Magenta (78%)
- Yellow (0%)
- Black (0%)





- Cyan (95%)
- Magenta (78%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 116.925, 302.541 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, 116.925, 302.541 by changing the saturation by 10% instead.


 38, 116.925,
302.541


 38, 116.925,
302.541


 100, 116.925,
302.541


 28, 116.925,
302.541


 58, 116.925,
302.541


 18, 116.925,
302.541


 68, 116.925,
302.541

 8, 116.925,
302.541

 78, 116.925,
302.541

 0, 116.925,
302.541

 88, 116.925,
302.541

 98, 116.925,
302.541

■ 38, 116.925,
302.541

■ 38, 116.925,
302.541

■ 36, 121.787,
303.623

■ 43, 104.755,
299.870

■ 48, 91.531,
296.957

■ 54, 78.084,
294.070

■ 61, 64.907,
291.393

■ 68, 52.170,
289.012

■ 75, 39.894,
286.947

■ 82, 28.050,
285.177

■ 89, 16.600,

283.669

■ 96, 5.513, 282.400

Harmonies

Complementary

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



38, 116.925, 302.541



86, 85.571, 90.287

Rectangle

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



38, 116.925, 302.541



38, 116.925, 352.541



38, 116.925, 122.541



38, 116.925, 172.541

Sweetspot

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



38, 116.745, 302.530



79, 32.644, 285.838



90, 60.174, 173.070



39, 22.560, 286.605



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, 116.745, 302.530



36, 121.787, 303.623



37, 127.344, 308.535



49, 6.207, 282.931



26, 96.780, 303.226



6, 38.493, 298.262

Inverse Universe

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



54, 92.253, 29.778



53, 95.426, 32.291



92, 101.587, 120.415



50, 5.387, 5.889



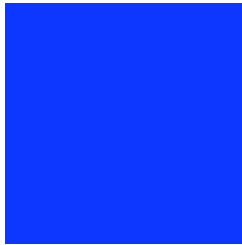
40, 76.130, 31.311



10, 32.124, 19.869

Previews

White Background



This preview shows how the CIE LCh color 38, 116.925, 302.541 looks on a white background.

Color Contrast Check

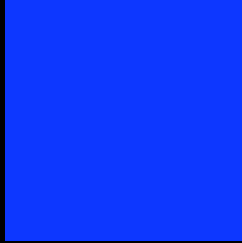
Large Text (above 18pt) WCAG AA ✓ Pass

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, 116.925, 302.541 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, 116.925, 302.541

Background



This preview shows how black text looks on a background with the CIELCh color 38, 116.925, 302.541.



This preview shows how white text looks on a background with the CIELCh color 38, 116.925, 302.541.

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, 116.894, 302.575

Protanopia

37, 58.072, 286.333

Deuteranopia

37, 39.670, 271.693



Tritanopia
37, 24.209, 203.968

Trichromacy



Original Color
38, 116.894, 302.575

Protanomaly
37, 80.991, 295.609

Deuteranomaly
36, 68.272, 291.741

Tritanomaly
35, 47.992, 281.847

Monochromacy



Original Color
38, 116.894, 302.575

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 46.825, 293.698

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 116.925, 302.541 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(13, 55, 255)` looks like.

```
.text, #text, p{  
    color:rgb(13, 55, 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(13, 55, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 55, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 116.925, 302.541 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(13, 55, 255) }
```

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

```
.border{ border-color:rgb(13, 55, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 55, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 55, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 55, 255);  
box-shadow:4px 4px 4px 4px rgb(13, 55,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 116.925, 302.541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 55, 255) }
```

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

```
.background{ background-color: rgb(13, 55,  
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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