

Converting Colors

CIELCh(38, 117.788, 302.671)

Have a look what the booklet for
CIELCh(38, 117.788, 302.671)
contains.

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Color

CIELCh(38, 116.894, 302.575)

Conversions

Conversions Part 1

Format	Color
Hex	0F37FF
RGB	15, 55, 255
RGB Percent	6%, 22%, 100%
CMY	0.9429, 0.7835, 0.0000
CMYK	0.94, 0.78, 0.00, 0.00
HSL	230°, 100%, 53%
HSV	230°, 94%, 100%
XYZ	19.6589, 10.0881, 95.7447
YIQ	65.8400, -88.0400, 53.7200

Conversions

Conversions Part 2

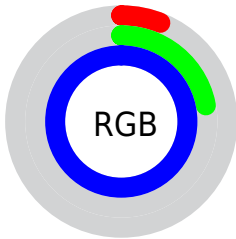
Format	Color
R_{YB}	15, 49, 255
Decimal	997375
CIE _{Lab}	38.00, 62.94, -98.51
CIE _{LCh}	38, 116.894, 302.575
Yxy	10.0881, 0.1567, 0.0804
Android (android.graphics.Color)	4279187455 (0xFF0F37FF)
YUV	65.8400, 93.2559, -44.5867
Hunter-Lab	31.7617, 54.8996, -156.4948

Details

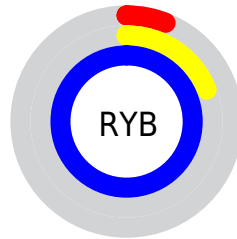
The CIELCh color **38, 116.894, 302.575** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **87, 85.764, 90.990**, and the grayscale version is **28, 0.004, 296.813**.

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, 122.598, 303.817**, and if you desaturate by 10%, it is **43, 104.663, 299.930**.

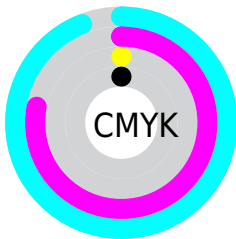
Distribution



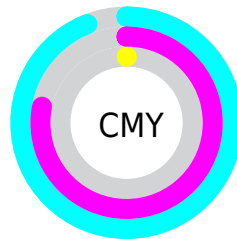
- Red (6%)
- Green (22%)
- Blue (100%)



- Red (6%)
- Yellow (19%)
- Blue (100%)



- Cyan (94%)
- Magenta (78%)
- Yellow (0%)
- Black (0%)





- Cyan (94%)
- Magenta (78%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 116.894, 302.575 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, 116.894, 302.575 by changing the saturation by 10% instead.


 38, 116.894,
302.575


 38, 116.894,
302.575


 100, 116.894,
302.575


 28, 116.894,
302.575


 58, 116.894,
302.575


 18, 116.894,
302.575


 68, 116.894,
302.575

 8, 116.894,
302.575

 78, 116.894,
302.575

 0, 116.894,
302.575

 88, 116.894,
302.575

 98, 116.894,
302.575

■ 38, 116.894,
302.575

■ 38, 116.894,
302.575

■ 36, 122.598,
303.817

■ 43, 104.663,
299.930

■ 48, 91.319,
297.047

■ 55, 77.760,
294.196

■ 61, 64.480,
291.557

■ 68, 51.648,
289.214

■ 76, 39.284,
287.183

■ 83, 27.360,
285.444

■ 90, 15.838,

283.964

 97, 4.685, 282.721

Harmonies

Complementary

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



38, 116.894, 302.575



87, 85.764, 90.990

Rectangle

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



38, 116.894, 302.575



38, 116.894, 352.575



38, 116.894, 122.575



38, 116.894, 172.575

Sweetspot

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



38, 116.768, 302.568



80, 31.740, 286.058



90, 60.009, 173.212



40, 22.073, 286.818



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, 116.768, 302.568



36, 122.598, 303.817



37, 126.907, 308.560



49, 6.258, 283.338



26, 97.459, 303.432



5, 38.739, 298.446

Inverse Universe

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



54, 92.162, 29.888



53, 95.900, 32.781



92, 101.345, 120.329



50, 5.375, 6.452



40, 76.502, 31.817



10, 32.167, 20.199

Previews

White Background



This preview shows how the CIE LCh color 38, 116.894, 302.575 looks on a white background.

Color Contrast Check

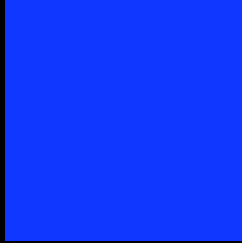
Large Text (above 18pt) WCAG AA ✓ Pass

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, 116.894, 302.575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

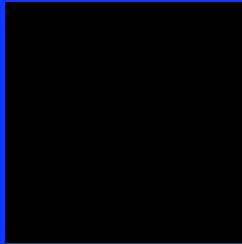
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 116.894, 302.575

Background



This preview shows how black text looks on a background with the CIELCh color 38, 116.894, 302.575.



This preview shows how white text looks on a background with the CIELCh color 38, 116.894, 302.575.

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, 116.871, 302.602

Protanopia

37, 58.072, 286.333

Deuteranopia

37, 39.670, 271.693



Tritanopia
37, 24.209, 203.968

Trichromacy



Original Color
38, 116.871, 302.602

Protanomaly
37, 80.991, 295.609

Deuteranomaly
36, 68.272, 291.741

Tritanomaly
35, 47.992, 281.847

Monochromacy



Original Color
38, 116.871, 302.602

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 46.726, 293.583

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 116.894, 302.575 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(15, 55, 255)` looks like.

```
.text, #text, p{  
    color:rgb(15, 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(15, 55, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 55, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 116.894, 302.575 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(15, 55, 255) }
```

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

```
.border{ border-color:rgb(15, 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(15, 55, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 55, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 55, 255);  
box-shadow:4px 4px 4px 4px rgb(15, 55,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 116.894, 302.575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 55, 255) }
```

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

```
.background{ background-color: rgb(15, 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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