

Converting Colors

CIELCh(38, 91.456, 300.440)

Have a look what the booklet for
CIELCh(38, 91.456, 300.440)
contains.

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Color

CIELCh(38, 91.666, 300.461)

Conversions

Conversions Part 1

Format	Color
Hex	3544DD
RGB	53, 68, 221
RGB Percent	21%, 27%, 87%
CMY	0.7929, 0.7337, 0.1338
CMYK	0.76, 0.69, 0.00, 0.13
HSL	235°, 71%, 54%
HSV	235°, 76%, 87%
XYZ	16.5542, 10.0881, 69.3973
YIQ	80.9570, -58.0530, 44.4030

Conversions

Conversions Part 2

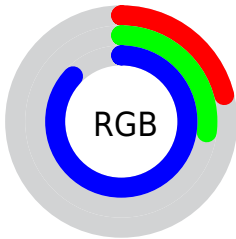
Format	Color
RYB	53, 67, 221
Decimal	3491037
CIELab	38.00, 46.47, -79.01
CIELCh	38, 91.666, 300.461
Yxy	10.0881, 0.1724, 0.1050
Android (android.graphics.Color)	4281681117 (0xFF3544DD)
YUV	80.9570, 69.0412, -24.5183
Hunter-Lab	31.7617, 37.4515, -107.3118

Details

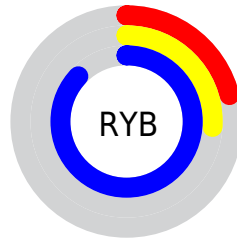
The CIELCh color **38, 91.666, 300.461** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **82, 73.020, 98.510**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 78.362, 299.790**, and **21, 88.010, 303.783** is the 20% darker color. If you saturate the color by 10%, you get **33, 103.679, 302.857**, and if you desaturate by 10%, it is **44, 78.647, 297.914**.

Distribution



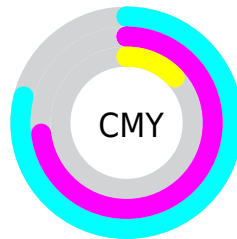
- Red (21%)
- Green (27%)
- Blue (87%)



- Red (21%)
- Yellow (26%)
- Blue (87%)



- Cyan (76%)
- Magenta (69%)
- Yellow (0%)
- Black (13%)





- Cyan (79%)
- Magenta (73%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 91.666, 300.461 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, 91.666, 300.461 by changing the saturation by 10% instead.


 38, 91.666,
300.461


 38, 91.666,
300.461

 100, 91.666,
300.461


 28, 91.666,
300.461

 58, 91.666,
300.461


 18, 91.666,
300.461


 68, 91.666,
300.461

 8, 91.666, 300.461

 78, 91.666,
300.461

 0, 91.666, 300.461

 88, 91.666,
300.461

 98, 91.666,
300.461

■ 38, 91.666,
300.461

■ 38, 91.666,
300.461

■ 33, 103.679,
302.857

■ 44, 78.647,
297.914

■ 30, 113.149,
304.775

■ 50, 65.556,
295.458

■ 29, 115.855,
305.301

■ 57, 52.806,
293.230

■ 63, 40.528,
291.279

■ 70, 28.732,
289.601

■ 77, 17.391,
288.172

■ 84, 6.469, 286.964

■ 91, 4.067, 105.882

■ 97, 14.245,
105.012

Harmonies

Complementary

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



38, 91.666, 300.461



82, 73.020, 98.510

Rectangle

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



38, 91.666, 300.461



38, 91.666, 350.461



38, 91.666, 120.461



38, 91.666, 170.461

Sweetspot

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



38, 91.667, 300.462



82, 28.305, 289.162



80, 45.193, 184.776



41, 19.727, 289.716



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, 91.667, 300.462



36, 121.991, 304.019



41, 96.966, 310.063



42, 6.029, 287.344



22, 95.890, 305.062



3, 27.760, 292.942

Inverse Universe

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



50, 71.954, 26.691



54, 94.469, 33.527



81, 83.222, 122.664



43, 4.663, 12.686



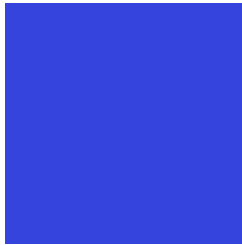
36, 74.534, 36.149



5, 23.736, 16.394

Previews

White Background



This preview shows how the CIE LCh color 38, 91.666, 300.461 looks on a white background.

Color Contrast Check

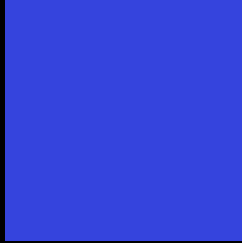
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 38, 91.666, 300.461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

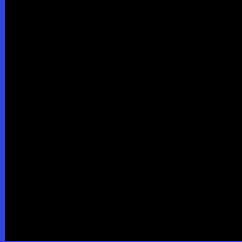
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 91.666, 300.461

Background



This preview shows how black text looks on a background with the CIELCh color 38, 91.666, 300.461.



This preview shows how white text looks on a background with the CIELCh color 38, 91.666, 300.461.

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



Trichromacy



Original Color
38, 91.666, 300.461

Deuteranomaly
37, 58.625, 287.988

Tritanomaly
36, 38.240, 273.279

Monochromacy



Original Color
38, 91.666, 300.461

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 34.999, 293.218

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 91.666, 300.461 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(53, 68, 221)` looks like.

```
.text, #text, p{  
    color:rgb(53, 68, 221)  
}
```

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(53, 68, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 68, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 91.666, 300.461 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(53, 68, 221) }
```

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

```
.border{ border-color:rgb(53, 68, 221) }
```

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

Here you see how a box with a 4 pixel rgb(53, 68, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 68, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 68, 221);  
box-shadow:4px 4px 4px 4px rgb(53, 68,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 91.666, 300.461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 68, 221) }
```

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

```
.background{ background-color: rgb(53, 68,  
221) }
```

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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