

Converting Colors

CIELCh(38, 97.504, 302.438)

Have a look what the booklet for
CIELCh(38, 97.504, 302.438)
contains.

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Color

CIELCh(38, 97.444, 302.387)

Conversions

Conversions Part 1

Format	Color
Hex	3E3FE3
RGB	62, 63, 227
RGB Percent	24%, 25%, 89%
CMY	0.7549, 0.7541, 0.1112
CMYK	0.72, 0.72, 0.00, 0.11
HSL	240°, 74%, 57%
HSV	240°, 72%, 89%
XYZ	17.5933, 10.0881, 73.4318
YIQ	81.3970, -53.2400, 50.7920

Conversions

Conversions Part 2

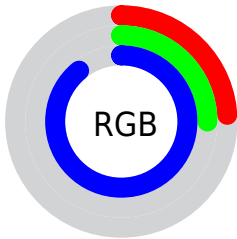
Format	Color
R _{YB}	62, 63, 227
Decimal	4079587
CIE Lab	38.00, 52.19, -82.29
CIE LCh	38, 97.444, 302.387
Yxy	10.0881, 0.1740, 0.0998
Android (android.graphics.Color)	4282269667 (0xFF3E3FE3)
YUV	81.3970, 71.7823, -17.0112
Hunter-Lab	31.7617, 43.2912, -114.8431

Details

The CIELCh color **38, 97.444, 302.387** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark washed blue. A complement of this color would be **88, 77.001, 103.700**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 81.355, 302.083**, and **21, 94.163, 304.962** is the 20% darker color. If you saturate the color by 10%, you get **33, 109.926, 304.351**, and if you desaturate by 10%, it is **44, 83.247, 300.171**.

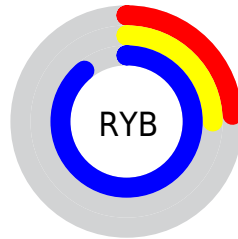
Distribution



Red (24%)

Green (25%)

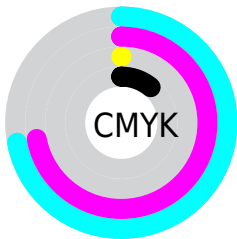
Blue (89%)



Red (24%)

Yellow (25%)

Blue (89%)

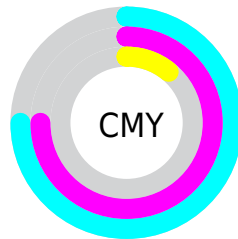


Cyan (72%)

Magenta (72%)

Yellow (0%)

Black (11%)



Cyan (75%)


Magenta (75%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 97.444, 302.387 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, 97.444, 302.387 by changing the saturation by 10% instead.


 38, 97.444,
302.387


 38, 97.444,
302.387

 100, 97.444,
302.387


 28, 97.444,
302.387

 58, 97.444,
302.387


 18, 97.444,
302.387


 68, 97.444,
302.387

 8, 97.444, 302.387

 78, 97.444,
302.387

 0, 97.444, 302.387

 88, 97.444,
302.387

 98, 97.444,
302.387

■ 38, 97.444,
302.387

■ 38, 97.444,
302.387

■ 33, 109.926,
304.351

■ 44, 83.247,
300.171

■ 30, 118.656,
305.709

■ 51, 68.702,
297.984

■ 28, 122.353,
306.275

■ 58, 54.455,
295.984


■ 66, 40.731,
294.230

■ 73, 27.576,
292.727

■ 81, 14.969,
291.451

■ 88, 2.873, 290.389

■ 96, 8.752, 109.439

 99, 14.350,
109.093

Harmonies

Complementary

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



38, 97.444, 302.387



88, 77.001, 103.700

Rectangle

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



38, 97.444, 302.387



38, 97.444, 352.387



38, 97.444, 122.387



38, 97.444, 172.387

Sweetspot

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



38, 97.445, 302.388



82, 29.749, 292.688



82, 42.454, 194.606



41, 20.104, 293.073



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, 97.445, 302.388



35, 125.732, 305.145



45, 94.316, 312.057



43, 6.746, 291.110



21, 101.245, 306.271



2, 31.606, 295.804

Inverse Universe

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



52, 73.296, 31.308



55, 96.135, 36.701



83, 83.975, 125.735



44, 4.728, 19.831



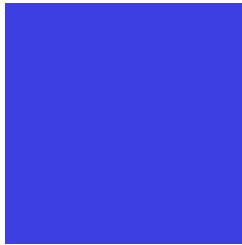
36, 79.057, 39.901



6, 25.538, 20.886

Previews

White Background



This preview shows how the CIE LCh color 38, 97.444, 302.387 looks on a white background.

Color Contrast Check

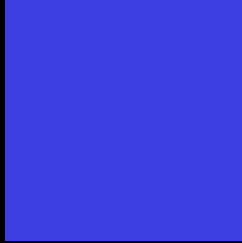
Large Text (above 18pt) WCAG AA ✓ Pass

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, 97.444, 302.387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

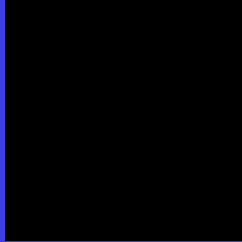
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 97.444, 302.387

Background



This preview shows how black text looks on a background with the CIELCh color 38, 97.444, 302.387.



This preview shows how white text looks on a background with the CIELCh color 38, 97.444, 302.387.

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, 97.477, 302.311

Protanopia

38, 58.004, 286.087

Deuteranopia

38, 40.712, 272.815



Tritanopia
38, 24.300, 205.444

Trichromacy



Original Color
38, 97.477, 302.311

Protanomaly
37, 72.658, 293.700

Deuteranomaly
37, 61.021, 289.636

Tritanomaly
36, 40.312, 276.629

Monochromacy



Original Color
38, 97.477, 302.311

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 37.549, 296.145

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 97.444, 302.387 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(62, 63, 227)` looks like.

```
.text, #text, p{  
    color:rgb(62, 63, 227)  
}
```

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(62, 63, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 63, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 97.444, 302.387 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(62, 63, 227) }
```

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

```
.border{ border-color:rgb(62, 63, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 63, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 63, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 63, 227);  
box-shadow:4px 4px 4px 4px rgb(62, 63,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 97.444, 302.387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 63, 227) }
```

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

```
.background{ background-color: rgb(62, 63,  
227) }
```

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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