

Converting Colors

CIELCh(38, 117.532, 304.040)

Have a look what the booklet for
CIELCh(38, 117.532, 304.040)
contains.

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Color

CIELCh(38, 117.495, 304.080)

Conversions

Conversions Part 1

Format	Color
Hex	3232FD
RGB	50, 50, 253
RGB Percent	20%, 20%, 99%
CMY	0.8023, 0.8033, 0.0071
CMYK	0.80, 0.80, 0.00, 0.01
HSL	240°, 98%, 59%
HSV	240°, 80%, 99%
XYZ	20.2434, 10.0881, 93.9731
YIQ	73.1420, -65.1630, 63.1330

Conversions

Conversions Part 2

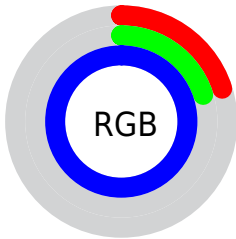
Format	Color
R _Y B	50, 50, 253
Decimal	3289853
CIE Lab	38.00, 65.84, -97.32
CIE LCh	38, 117.495, 304.080
Yxy	10.0881, 0.1629, 0.0812
Android (android.graphics.Color)	4281479933 (0xFF3232FD)
YUV	73.1420, 88.6700, -20.2955
Hunter-Lab	31.7617, 58.1847, -153.1877

Details

The CIELCh color **38, 117.495, 304.080** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **97, 89.590, 103.406**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 87.967, 304.168**, and **23, 109.353, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **34, 127.871, 305.558**, and if you desaturate by 10%, it is **44, 103.371, 302.049**.

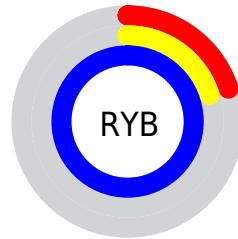
Distribution



 Red (20%)

 Green (20%)

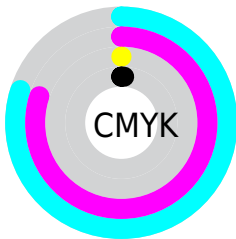
 Blue (99%)




 Red (20%)

 Yellow (20%)

 Blue (99%)

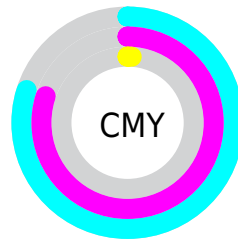


 Cyan (80%)

 Magenta (80%)

 Yellow (0%)

 Black (1%)



 Cyan (80%)


 Magenta (80%)


 Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 117.495, 304.080 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, 117.495, 304.080 by changing the saturation by 10% instead.


 38, 117.495,
304.080


 38, 117.495,
304.080


 100, 117.495,
304.080


 28, 117.495,
304.080


 58, 117.495,
304.080


 18, 117.495,
304.080


 68, 117.495,
304.080

 8, 117.495,
304.080

 78, 117.495,
304.080

 0, 117.495,
304.080

 88, 117.495,
304.080

 98, 117.495,
304.080

■ 38, 117.495,
304.080

■ 38, 117.495,
304.080

■ 34, 127.871,
305.558

■ 44, 103.371,
302.049

■ 32, 133.093,
306.290

■ 51, 87.677,
299.818

■ 59, 71.774,
297.653

■ 67, 56.268,
295.695

■ 75, 41.359,
293.988

■ 83, 27.074,
292.529

■ 91, 13.387,
291.295

■ 99, 0.253, 290.544

100, 0.903,
110.025

Harmonies

Complementary

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



38, 117.495, 304.080



97, 89.590, 103.406

Rectangle

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



38, 117.495, 304.080



38, 117.495, 354.080



38, 117.495, 124.080



38, 117.495, 174.080

Sweetspot

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



38, 117.497, 304.081



80, 32.635, 293.059



91, 47.734, 196.508



40, 22.591, 293.583



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, 117.497, 304.081



33, 132.089, 306.050



47, 111.482, 312.565



49, 7.504, 291.219



23, 107.775, 306.291



3, 44.130, 301.783

Inverse Universe

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



62, 108.117, 328.072



61, 114.797, 328.260



90, 98.762, 126.542



50, 9.049, 324.979



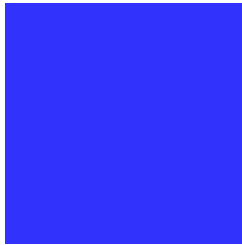
45, 92.995, 328.280



12, 42.787, 328.275

Previews

White Background



This preview shows how the CIELCh color 38, 117.495, 304.080 looks on a white background.

Color Contrast Check

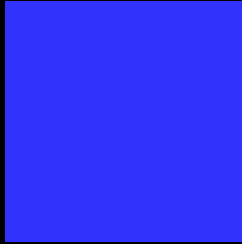
Large Text (above 18pt) WCAG AA ✓ Pass

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, 117.495, 304.080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

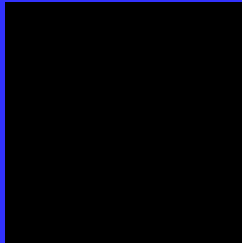
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 117.495, 304.080

Background



This preview shows how black text looks on a background with the CIELCh color 38, 117.495, 304.080.



This preview shows how white text looks on a background with the CIELCh color 38, 117.495, 304.080.

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, 117.495, 304.080

Protanopia

37, 58.072, 286.333

Deuteranopia

37, 39.670, 271.693



Tritanopia
37, 24.209, 203.968

Trichromacy



Original Color
38, 117.495, 304.080

Protanomaly
36, 81.642, 296.421

Deuteranomaly
36, 69.498, 292.979

Tritanomaly
35, 48.453, 283.410

Monochromacy



Original Color
38, 117.495, 304.080

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 46.808, 297.802

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 117.495, 304.080 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(50, 50, 253)` looks like.

```
.text, #text, p{  
    color:rgb(50, 50, 253)  
}
```

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(50, 50, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 50, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 117.495, 304.080 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(50, 50, 253) }
```

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

```
.border{ border-color:rgb(50, 50, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 50, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 50, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 50, 253);  
box-shadow:4px 4px 4px 4px rgb(50, 50,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 117.495, 304.080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 50, 253) }
```

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

```
.background{ background-color: rgb(50, 50,  
253) }
```

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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