

Converting Colors

CIELCh(38, 94.073, 298.310)

Have a look what the booklet for
CIELCh(38, 94.073, 298.310)
contains.

CIELCh(38, 93.742, 298.242)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(38, 93.742, 298.242)

Conversions

Conversions Part 1

Format	Color
Hex	0447E3
RGB	4, 71, 227
RGB Percent	2%, 28%, 89%
CMY	0.9830, 0.7214, 0.1096
CMYK	0.98, 0.69, 0.00, 0.11
HSL	222°, 96%, 45%
HSV	222°, 98%, 89%
XYZ	16.1815, 10.0881, 73.8044
YIQ	68.7510, -90.0080, 34.3120

Conversions

Conversions Part 2

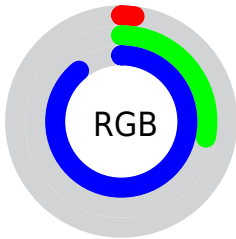
Format	Color
R_{YB}	4, 56, 227
Decimal	280547
CIE _{Lab}	38.00, 44.36, -82.58
CIE _{LCh}	38, 93.742, 298.242
Yxy	10.0881, 0.1617, 0.1008
Android (android.graphics.Color)	4278470627 (0xFF0447E3)
YUV	68.7510, 78.0168, -56.7866
Hunter-Lab	31.7617, 35.3565, -115.5385

Details

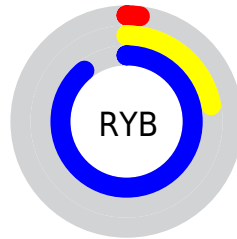
The CIELCh color **38, 93.742, 298.242** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **71, 75.394, 78.889**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 77.332, 296.687**, and **23, 89.070, 303.356** is the 20% darker color. If you saturate the color by 10%, you get **37, 95.647, 298.831**, and if you desaturate by 10%, it is **42, 83.496, 294.849**.

Distribution



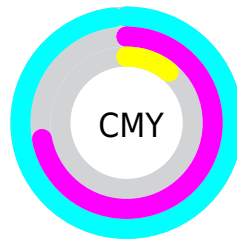
- Red (2%)
- Green (28%)
- Blue (89%)



- Red (2%)
- Yellow (22%)
- Blue (89%)



- Cyan (98%)
- Magenta (69%)
- Yellow (0%)
- Black (11%)





- Cyan (98%)
- Magenta (72%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 93.742, 298.242 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, 93.742, 298.242 by changing the saturation by 10% instead.


 38, 93.742,
298.242


 38, 93.742,
298.242

 100, 93.742,
298.242


 28, 93.742,
298.242

 58, 93.742,
298.242


 18, 93.742,
298.242


 68, 93.742,
298.242

 8, 93.742, 298.242

 78, 93.742,
298.242

 0, 93.742, 298.242

 88, 93.742,
298.242

 98, 93.742,
298.242

■ 38, 93.742,
298.242

■ 38, 93.742,
298.242

■ 37, 95.647,
298.831

■ 42, 83.496,
294.849

■ 47, 73.103,
291.357

■ 52, 62.886,
288.016

■ 57, 52.955,
284.968

■ 63, 43.313,
282.276

■ 68, 33.926,
279.945

■ 74, 24.758,
277.947

■ 80, 15.787,

276.243

■ 86, 6.997, 274.798

Harmonies

Complementary

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



38, 93.742, 298.242



71, 75.394, 78.889

Rectangle

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



38, 93.742, 298.242



38, 93.742, 348.242



38, 93.742, 118.242



38, 93.742, 168.242

Sweetspot

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



38, 93.743, 298.243



82, 28.113, 278.151



80, 64.448, 161.946



41, 19.376, 278.984



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, 93.743, 298.243



42, 105.102, 299.046



30, 119.917, 307.139



45, 4.959, 274.981



29, 78.621, 298.292



5, 26.478, 289.234

Inverse Universe

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



48, 79.908, 20.962



54, 88.315, 22.398



84, 90.722, 114.709



45, 5.194, 356.837



37, 67.055, 20.999



7, 26.658, 8.529

Previews

White Background



This preview shows how the CIELCh color 38, 93.742, 298.242 looks on a white background.

Color Contrast Check

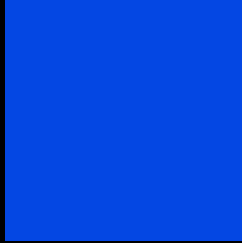
Large Text (above 18pt) WCAG AA ✓ Pass

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, 93.742, 298.242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

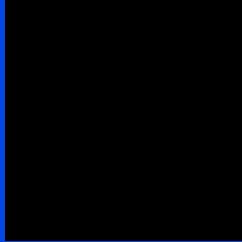
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 93.742, 298.242

Background



This preview shows how black text looks on a background with the CIELCh color 38, 93.742, 298.242.



This preview shows how white text looks on a background with the CIELCh color 38, 93.742, 298.242.

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, 93.742, 298.242

Protanopia

38, 58.569, 286.347

Deuteranopia

38, 40.189, 271.930



Tritanopia
38, 24.386, 203.899

Trichromacy



Original Color
38, 93.742, 298.242

Protanomaly
38, 71.410, 292.030

Deuteranomaly
37, 59.831, 287.410

Tritanomaly
37, 39.112, 271.945

Monochromacy



Original Color
38, 93.742, 298.242

Achromatopsia
29, 0.005, 296.813

Achromatomaly
31, 35.930, 285.333

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 93.742, 298.242 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(4, 71, 227)` looks like.

```
.text, #text, p{  
    color:rgb(4, 71, 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(4, 71, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 71, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 93.742, 298.242 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(4, 71, 227) }
```

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

```
.border{ border-color:rgb(4, 71, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 71, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 71, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 71, 227);  
box-shadow:4px 4px 4px 4px rgb(4, 71, 227)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 93.742, 298.242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 71, 227) }
```

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

```
.background{ background-color: rgb(4, 71,  
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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor