

Converting Colors

CIELCh(38, 70.517, 293.608)

Have a look what the booklet for
CIELCh(38, 70.517, 293.608)
contains.

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Color

CIELCh(38, 70.635, 293.657)

Conversions

Conversions Part 1

Format	Color
Hex	2350C4
RGB	35, 80, 196
RGB Percent	14%, 31%, 77%
CMY	0.8624, 0.6861, 0.2312
CMYK	0.82, 0.59, 0.00, 0.23
HSL	223°, 70%, 45%
HSV	223°, 82%, 77%
XYZ	13.5350, 10.0881, 53.4826
YIQ	79.7690, -64.0560, 26.5360

Conversions

Conversions Part 2

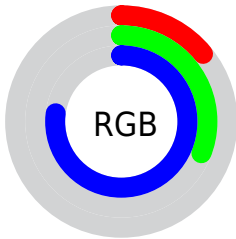
Format	Color
R_{YB}	35, 70, 196
Decimal	2314436
CIE _{Lab}	38.00, 28.34, -64.70
CIE _{LCh}	38, 70.635, 293.657
Yxy	10.0881, 0.1755, 0.1308
Android (android.graphics.Color)	4280504516 (0xFF2350C4)
YUV	79.7690, 57.3019, -39.2624
Hunter-Lab	31.7617, 20.4833, -77.6035




Details

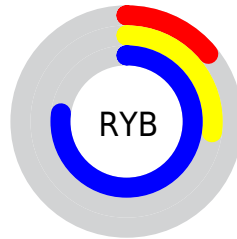
The CIELCh color **38, 70.635, 293.657** is a dark color, and the websafe version is hex **003399**. The color can be described as dark muted blue. A complement of this color would be **65, 62.343, 84.078**, and the grayscale version is **34, 0.005, 296.813**.




A 20% lighter version of the original color is **58, 70.685, 293.560**, and **21, 68.333, 299.389** is the 20% darker color. If you saturate the color by 10%, you get **34, 80.118, 297.015**, and if you desaturate by 10%, it is **42, 61.178, 290.356**.

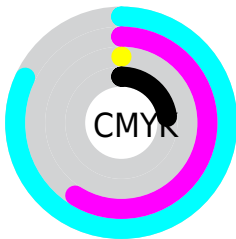
Distribution







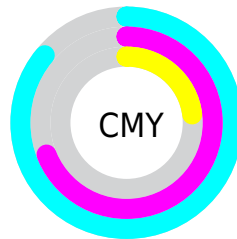
-  Red (14%)
-  Green (31%)
-  Blue (77%)






-  Red (14%)
-  Yellow (27%)
-  Blue (77%)



-  Cyan (82%)
-  Magenta (59%)
-  Yellow (0%)
-  Black (23%)





-  Cyan (86%)
-  Magenta (69%)
-  Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 70.635, 293.657 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, 70.635, 293.657 by changing the saturation by 10% instead.


 38, 70.635,
293.657


 38, 70.635,
293.657

 100, 70.635,
293.657


 28, 70.635,
293.657

 58, 70.635,
293.657

 18, 70.635,
293.657


 68, 70.635,
293.657

 8, 70.635, 293.657

 78, 70.635,
293.657

 0, 70.635, 293.657

 88, 70.635,
293.657

 98, 70.635,
293.657

■ 38, 70.635,
293.657

■ 38, 70.635,
293.657

■ 34, 80.118,
297.015

■ 42, 61.178,
290.356

■ 31, 87.366,
299.475

■ 47, 51.949,
287.284

■ 52, 42.996,
284.535

■ 57, 34.307,
282.134

■ 63, 25.850,
280.066

■ 68, 17.598,
278.295

■ 73, 9.535, 276.785

■ 78, 1.647, 275.582

Harmonies

Complementary

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



38, 70.635, 293.657



65, 62.343, 84.078

Rectangle

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



38, 70.635, 293.657



38, 70.635, 343.657



38, 70.635, 113.657



38, 70.635, 163.657

Sweetspot

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



38, 70.635, 293.658



84, 24.731, 278.847



71, 51.525, 166.718



42, 16.940, 279.479



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, 70.635, 293.658



41, 107.057, 299.686



31, 95.751, 306.724



38, 4.412, 276.414



25, 74.273, 298.990



3, 15.753, 282.148

Inverse Universe

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



44, 64.922, 14.156



54, 88.810, 23.652



74, 75.943, 114.665



38, 4.473, 358.238



33, 62.477, 22.293



3, 14.537, 4.525

Previews

White Background



This preview shows how the CIE LCh color 38, 70.635, 293.657 looks on a white background.

Color Contrast Check

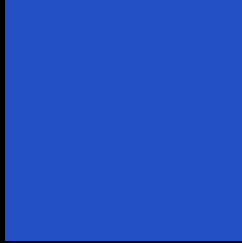
Large Text (above 18pt) WCAG AA ✓ Pass

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, 70.635, 293.657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

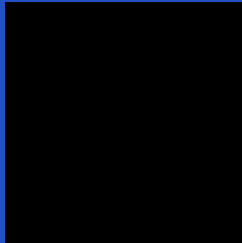
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 70.635, 293.657

Background



This preview shows how black text looks on a background with the CIELCh color 38, 70.635, 293.657.



This preview shows how white text looks on a background with the CIELCh color 38, 70.635, 293.657.

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, 70.635, 293.657

Protanopia

38, 59.135, 286.601

Deuteranopia

38, 41.763, 273.881



Tritanopia
38, 24.300, 205.444

Trichromacy



Original Color
38, 70.635, 293.657

Protanomaly
38, 63.163, 289.187

Deuteranomaly
38, 52.181, 283.582

Tritanomaly
37, 31.996, 262.019

Monochromacy



Original Color
38, 70.635, 293.657

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 26.532, 283.179

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 70.635, 293.657 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(35, 80, 196)` looks like.

```
.text, #text, p{  
    color:rgb(35, 80, 196)  
}
```

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(35, 80, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 80, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 70.635, 293.657 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(35, 80, 196) }
```

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

```
.border{ border-color:rgb(35, 80, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 80, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 80, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 80, 196);  
box-shadow:4px 4px 4px 4px rgb(35, 80,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 70.635, 293.657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 80, 196) }
```

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

```
.background{ background-color: rgb(35, 80,  
196) }
```

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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