

Converting Colors

CIELCh(38, 68.306, 291.331)

Have a look what the booklet for
CIELCh(38, 68.306, 291.331)
contains.

CIELCh(38, 68.417, 291.412)	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, 68.417, 291.412)

Conversions

Conversions Part 1

Format	Color
Hex	1052C2
RGB	16, 82, 194
RGB Percent	6%, 32%, 76%
CMY	0.9372, 0.6775, 0.2381
CMYK	0.92, 0.58, 0.00, 0.24
HSL	218°, 85%, 41%
HSV	218°, 92%, 76%
XYZ	13.0182, 10.0881, 52.4679
YIQ	75.0340, -75.2880, 20.8400

Conversions

Conversions Part 2

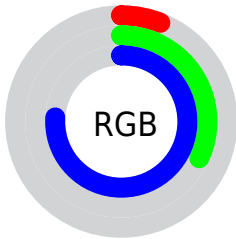
Format	Color
RYB	16, 64, 194
Decimal	1069762
CIELab	38.00, 24.98, -63.69
CIELCh	38, 68.417, 291.412
Yxy	10.0881, 0.1723, 0.1335
Android (android.graphics.Color)	4279259842 (0xFF1052C2)
YUV	75.0340, 58.6502, -51.7728
Hunter-Lab	31.7617, 17.5793, -75.7094

Details

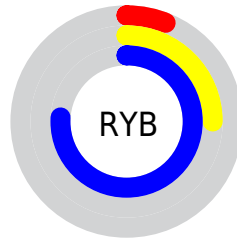
The CIELCh color **38, 68.417, 291.412** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed blue. A complement of this color would be **59, 64.656, 74.017**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 67.992, 291.238**, and **21, 65.845, 298.506** is the 20% darker color. If you saturate the color by 10%, you get **35, 75.145, 294.466**, and if you desaturate by 10%, it is **42, 60.357, 287.591**.

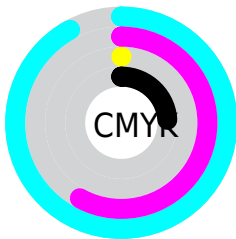
Distribution



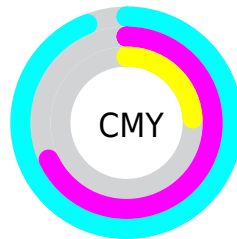
- Red (6%)
- Green (32%)
- Blue (76%)



- Red (6%)
- Yellow (25%)
- Blue (76%)



- Cyan (92%)
- Magenta (58%)
- Yellow (0%)
- Black (24%)



- Cyan (94%)
- Magenta (68%)
- Yellow (24%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 68.417, 291.412 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, 68.417, 291.412 by changing the saturation by 10% instead.


 38, 68.417,
291.412

 38, 68.417,
291.412


 100, 68.417,
291.412

 28, 68.417,
291.412

 58, 68.417,
291.412

 18, 68.417,
291.412

 68, 68.417,
291.412

 8, 68.417, 291.412

 78, 68.417,
291.412

 0, 68.417, 291.412

 88, 68.417,
291.412

 98, 68.417,
291.412

■ 38, 68.417,
291.412

■ 38, 68.417,
291.412

■ 35, 75.145,
294.466

■ 42, 60.357,
287.591

■ 46, 52.487,
283.950

■ 50, 44.818,
280.633

■ 55, 37.312,
277.703

■ 59, 29.930,
275.166

■ 64, 22.641,
272.992

■ 68, 15.432,
271.139

■ 73, 8.297, 269.566

Harmonies

Complementary

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



38, 68.417, 291.412



59, 64.656, 74.017

Rectangle

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



38, 68.417, 291.412



38, 68.417, 341.412



38, 68.417, 111.412



38, 68.417, 161.412

Sweetspot

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



38, 68.417, 291.414



83, 24.653, 272.345



70, 60.938, 157.578



42, 17.198, 273.212



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, 68.417, 291.414



46, 93.052, 295.083



26, 103.972, 306.244



38, 3.989, 269.230



29, 64.297, 293.903



3, 14.582, 278.003

Inverse Universe

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



42, 67.391, 10.515



54, 85.000, 15.589



75, 77.900, 109.688



38, 4.696, 352.009



34, 60.314, 13.795



3, 14.938, 359.742

Previews

White Background



This preview shows how the CIE LCh color 38, 68.417, 291.412 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, 68.417, 291.412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

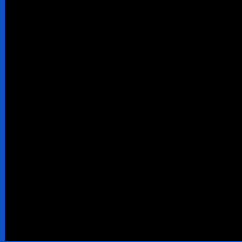
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 68.417, 291.412

Background



This preview shows how black text looks on a background with the CIELCh color 38, 68.417, 291.412.



This preview shows how white text looks on a background with the CIELCh color 38, 68.417, 291.412.

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, 68.409, 291.454

Protanopia

38, 59.135, 286.601

Deuteranopia

38, 41.763, 273.881



Tritanopia
38, 24.300, 205.444

Trichromacy



Original Color
38, 68.409, 291.454

Protanomaly
38, 61.998, 288.257

Deuteranomaly
38, 51.074, 282.285

Tritanomaly
37, 31.356, 259.176

Monochromacy



Original Color
38, 68.409, 291.454

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 25.892, 277.471

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 68.417, 291.412 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(16, 82, 194)` looks like.

```
.text, #text, p{  
    color:rgb(16, 82, 194)  
}
```

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(16, 82, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 82, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 68.417, 291.412 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(16, 82, 194) }
```

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

```
.border{ border-color:rgb(16, 82, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 82, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 82, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 82, 194);  
box-shadow:4px 4px 4px 4px rgb(16, 82,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 68.417, 291.412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 82, 194) }
```

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

```
.background{ background-color: rgb(16, 82,  
194) }
```

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