

Converting Colors

CIELCh(38, 68.117, 293.554)

Have a look what the booklet for
CIELCh(38, 68.117, 293.554)
contains.

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Color

CIELCh(38, 68.276, 293.637)

Conversions

Conversions Part 1

Format	Color
Hex	2A50C0
RGB	42, 80, 192
RGB Percent	16%, 31%, 75%
CMY	0.8368, 0.6851, 0.2456
CMYK	0.78, 0.58, 0.00, 0.25
HSL	225°, 64%, 46%
HSV	225°, 78%, 75%
XYZ	13.3849, 10.0881, 51.3250
YIQ	81.4060, -58.6000, 26.7760

Conversions

Conversions Part 2

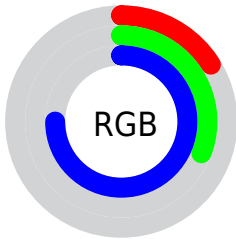
Format	Color
R_{YB}	42, 72, 192
Decimal	2773184
CIE _{Lab}	38.00, 27.37, -62.55
CIE _{LCh}	38, 68.276, 293.637
Yxy	10.0881, 0.1789, 0.1349
Android (android.graphics.Color)	4280963264 (0xFF2A50C0)
YUV	81.4060, 54.5228, -34.5591
Hunter-Lab	31.7617, 19.6400, -73.5759

Details

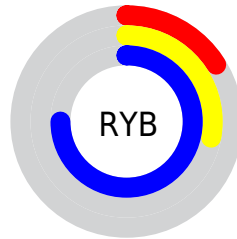
The CIELCh color **38, 68.276, 293.637** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted blue. A complement of this color would be **65, 60.080, 86.540**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 67.918, 293.641**, and **21, 66.039, 298.953** is the 20% darker color. If you saturate the color by 10%, you get **34, 77.935, 296.888**, and if you desaturate by 10%, it is **43, 58.687, 290.490**.

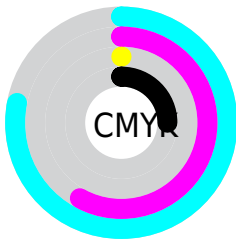
Distribution



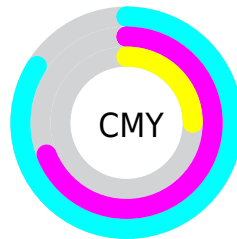
- Red (16%)
- Green (31%)
- Blue (75%)



- Red (16%)
- Yellow (28%)
- Blue (75%)



- Cyan (78%)
- Magenta (58%)
- Yellow (0%)
- Black (25%)





- Cyan (84%)
- Magenta (69%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 68.276, 293.637 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, 68.276, 293.637 by changing the saturation by 10% instead.


 38, 68.276,
293.637


 38, 68.276,
293.637

 100, 68.276,
293.637


 28, 68.276,
293.637

 58, 68.276,
293.637

 18, 68.276,
293.637


 68, 68.276,
293.637

 8, 68.276, 293.637

 78, 68.276,
293.637

 0, 68.276, 293.637

 88, 68.276,
293.637

 98, 68.276,
293.637

■ 38, 68.276,
293.637

■ 38, 68.276,
293.637

■ 34, 77.935,
296.888

■ 43, 58.687,
290.490

■ 30, 87.247,
299.973

■ 48, 49.351,
287.597

■ 30, 88.701,
300.418

■ 53, 40.307,
285.028

■ 58, 31.540,
282.794

■ 63, 23.021,
280.875

■ 68, 14.725,
279.233

■ 73, 6.633, 277.837

■ 79, 1.268, 96.450

Harmonies

Complementary

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



38, 68.276, 293.637



65, 60.080, 86.540

Rectangle

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



38, 68.276, 293.637



38, 68.276, 343.637



38, 68.276, 113.637



38, 68.276, 163.637

Sweetspot

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



38, 68.276, 293.638



83, 23.968, 280.189



70, 48.529, 168.742



42, 16.536, 280.805



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38, 68.276, 293.638



41, 103.034, 299.139



32, 90.472, 306.692



38, 4.525, 277.966



24, 76.610, 300.000



3, 16.037, 283.028

Inverse Universe

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



43, 62.159, 14.408



53, 86.032, 22.727



73, 73.036, 115.404



38, 4.427, 359.856



33, 63.232, 24.248



3, 14.459, 5.679

Previews

White Background



This preview shows how the CIE LCh color 38, 68.276, 293.637 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, 68.276, 293.637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

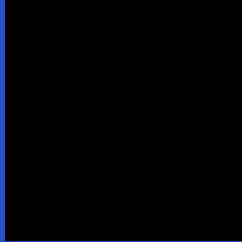
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 68.276, 293.637

Background



This preview shows how black text looks on a background with the CIELCh color 38, 68.276, 293.637.



This preview shows how white text looks on a background with the CIELCh color 38, 68.276, 293.637.

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, 68.260, 293.736

Protanopia
38, 59.135, 286.601

Deuteranopia
38, 41.763, 273.881



Tritanopia
38, 24.300, 205.444

Trichromacy



Original Color
38, 68.260, 293.736

Protanomaly
38, 62.578, 289.069

Deuteranomaly
37, 51.030, 283.072

Tritanomaly
37, 31.467, 261.412

Monochromacy



Original Color
38, 68.260, 293.736

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 25.790, 284.005

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 68.276, 293.637 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(42, 80, 192)` looks like.

```
.text, #text, p{  
    color:rgb(42, 80, 192)  
}
```

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(42, 80, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 80, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 68.276, 293.637 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(42, 80, 192) }
```

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

```
.border{ border-color:rgb(42, 80, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 80, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 80, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 80, 192);  
box-shadow:4px 4px 4px 4px rgb(42, 80,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 68.276, 293.637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 80, 192) }
```

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

```
.background{ background-color: rgb(42, 80,  
192) }
```

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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