

Converting Colors

CIELCh(35, 76.565, 19.171)

Have a look what the booklet for
CIELCh(35, 76.565, 19.171) contains.

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Color

CIELCh(38, 69.555, 24.709)

Conversions

Conversions Part 1

Format	Color
Hex	B6002F
RGB	182, 0, 47
RGB Percent	71%, 0%, 18%
CMY	0.2876, 1.0000, 0.8166
CMYK	0.00, 1.00, 0.74, 0.29
HSL	345°, 100%, 36%
HSV	345°, 100%, 71%
XYZ	19.7089, 10.0881, 3.5727
YIQ	59.7760, 93.3850, 53.2010

Conversions

Conversions Part 2

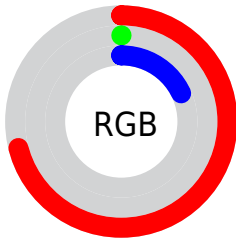
Format	Color
RYB	182, 0, 47
Decimal	11927599
CIELab	38.00, 63.19, 29.07
CIElCh	38, 69.555, 24.709
Yxy	10.0881, 0.5906, 0.3023
Android (android.graphics.Color)	4290117679 (0xFFB6002F)
YUV	59.7760, -6.2986, 107.1904
Hunter-Lab	31.7617, 55.1807, 15.5640

Details

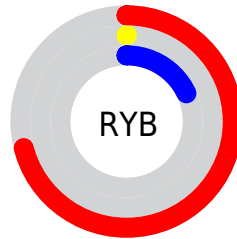
The CIELCh color **38, 69.555, 24.709** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **66, 51.852, 165.445**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **58, 69.405, 24.644**, and **24, 57.834, 37.477** is the 20% darker color. If you saturate the color by 10%, you get **38, 69.485, 24.770**, and if you desaturate by 10%, it is **39, 65.243, 19.544**.

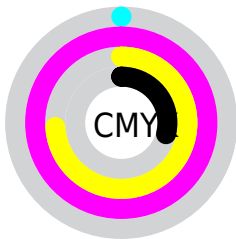
Distribution



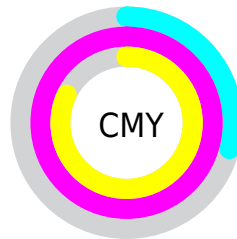
- Red (71%)
- Green (0%)
- Blue (18%)



- Red (71%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (74%)
- Black (29%)



- Cyan (29%)
- Magenta (100%)
- Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 69.555, 24.709 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, 69.555, 24.709 by changing the saturation by 10% instead.

 38, 69.555, 24.709

 38, 69.555, 24.709

 100, 69.555,
24.709

 28, 69.555, 24.709

 58, 69.555, 24.709

 18, 69.555, 24.709

 68, 69.555, 24.709

 8, 69.555, 24.709

 78, 69.555, 24.709

 0, 69.555, 24.709

 88, 69.555, 24.709

 98, 69.555, 24.709

 38, 69.555, 24.709

 38, 69.555, 24.709

 38, 69.485, 24.770

 39, 65.243, 19.544

41, 60.290, 14.891

43, 54.224, 11.115

46, 47.169, 8.121

50, 39.425, 5.748

54, 31.333, 3.845

59, 23.180, 2.290

64, 15.168, 0.990

69, 7.421, 359.864

Harmonies

Complementary

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



38, 69.555, 24.709



66, 51.852, 165.445

Rectangle

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



38, 69.555, 24.709



38, 69.555, 74.709



38, 69.555, 204.709



38, 69.555, 254.709

Sweetspot

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



38, 69.485, 24.770



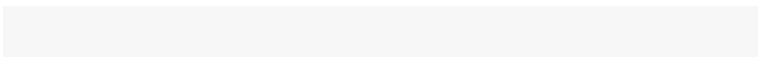
75, 28.811, 2.363



35, 92.267, 318.449



38, 19.943, 2.987



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



38, 69.485, 24.770



50, 85.477, 25.833



41, 75.763, 44.654



36, 4.235, 359.793



32, 61.657, 24.015



2, 11.067, 4.151

Inverse Universe

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



38, 69.485, 24.770



50, 85.477, 25.833



54, 34.862, 242.691



36, 4.235, 359.793



32, 61.657, 24.015



2, 11.067, 4.151

Previews

White Background



This preview shows how the CIELCh color 38, 69.555, 24.709 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, 69.555, 24.709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

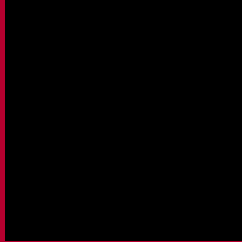
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 69.555, 24.709

Background



This preview shows how black text looks on a background with the CIELCh color 38, 69.555, 24.709.



This preview shows how white text looks on a background with the CIELCh color 38, 69.555, 24.709.

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, 69.555, 24.709

Protanopia

39, 13.747, 94.503

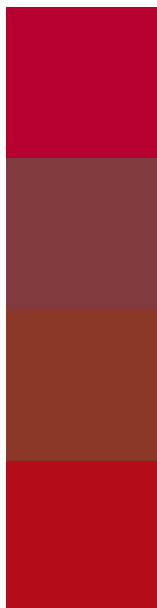
Deuteranopia

39, 33.451, 81.272



Tritanopia
38, 76.271, 38.514

Trichromacy



Original Color
38, 69.555, 24.709

Protanomaly
34, 33.006, 22.535

Deuteranomaly
35, 43.664, 38.093

Tritanomaly
38, 73.884, 34.463

Monochromacy



Original Color
38, 69.555, 24.709

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 31.596, 8.173

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 69.555, 24.709 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(182, 0, 47)` looks like.

```
.text, #text, p{  
    color:rgb(182, 0, 47)  
}
```

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(182, 0, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 0, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 69.555, 24.709 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(182, 0, 47) }
```

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

```
.border{ border-color:rgb(182, 0, 47) }
```

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

Here you see how a box with a 4 pixel rgb(182, 0, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 0, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 0, 47);  
box-shadow:4px 4px 4px 4px rgb(182, 0, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 69.555, 24.709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 0, 47) }
```

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

```
.background{ background-color: rgb(182, 0,  
47) }
```

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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