

Converting Colors

CIELCh(38, 76.844, 42.486)

Have a look what the booklet for
CIELCh(38, 76.844, 42.486) contains.

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Color

CIELCh(38, 76.768, 42.278)

Conversions

Conversions Part 1

Format	Color
Hex	B11B00
RGB	177, 27, 0
RGB Percent	69%, 11%, 0%
CMY	0.3068, 0.8953, 1.0000
CMYK	0.00, 0.85, 1.00, 0.31
HSL	9°, 100%, 35%
HSV	9°, 100%, 69%
XYZ	18.4602, 10.0881, 0.9699
YIQ	68.7720, 98.0670, 23.4030

Conversions

Conversions Part 2

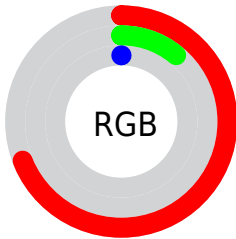
Format	Color
RYB	177, 32, 0
Decimal	11606784
CIELab	38.00, 56.80, 51.64
CIElCh	38, 76.768, 42.278
Yxy	10.0881, 0.6254, 0.3418
Android (android.graphics.Color)	4289796864 (0xFFB11B00)
YUV	68.7720, -33.9046, 94.9160
Hunter-Lab	31.7617, 48.1631, 20.4226

Details

The CIELCh color **38, 76.768, 42.278** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **57, 33.106, 224.793**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 76.553, 42.312**, and **22, 55.584, 37.281** is the 20% darker color. If you saturate the color by 10%, you get **38, 76.726, 42.246**, and if you desaturate by 10%, it is **40, 70.055, 41.078**.

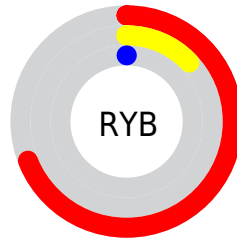
Distribution



Red (69%)

Green (11%)

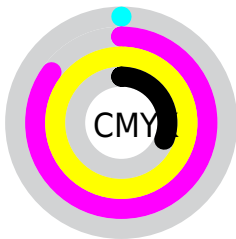
Blue (0%)



Red (69%)

Yellow (13%)

Blue (0%)

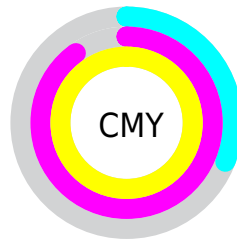


Cyan (0%)

Magenta (85%)

Yellow (100%)

Black (31%)



Cyan (31%)

Magenta (90%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 76.768, 42.278 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, 76.768, 42.278 by changing the saturation by 10% instead.

 38, 76.768, 42.278

 38, 76.768, 42.278

 100, 76.768,
42.278

 28, 76.768, 42.278

 58, 76.768, 42.278

 18, 76.768, 42.278

 68, 76.768, 42.278

 8, 76.768, 42.278

 78, 76.768, 42.278

 0, 76.768, 42.278

 88, 76.768, 42.278

 98, 76.768, 42.278

 38, 76.768, 42.278

 38, 76.768, 42.278

 38, 76.726, 42.246

 40, 70.055, 41.078

■ 42, 61.868, 39.647

■ 44, 52.938, 38.096

■ 48, 43.989, 36.758

■ 51, 35.354, 35.717

■ 55, 27.194, 34.962

■ 59, 19.579, 34.449

■ 63, 12.523, 34.126

■ 68, 6.009, 33.927

Harmonies

Complementary

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



38, 76.768, 42.278



57, 33.106, 224.793

Rectangle

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



38, 76.768, 42.278



38, 76.768, 92.278



38, 76.768, 222.278



38, 76.768, 272.278

Sweetspot

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



38, 76.726, 42.246



75, 24.261, 34.470



40, 78.101, 335.237



37, 16.817, 34.659



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



38, 76.726, 42.246



49, 93.723, 41.917



54, 62.665, 74.176



35, 3.421, 33.914



33, 68.513, 42.261



3, 8.215, 30.305

Inverse Universe

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



57, 33.106, 224.793



73, 40.230, 225.352



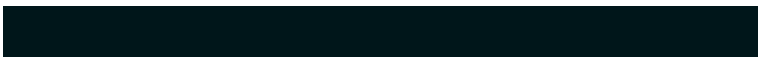
31, 72.085, 295.520



37, 3.225, 214.111



50, 29.774, 224.426



6, 7.668, 221.446

Previews

White Background



This preview shows how the CIELCh color 38, 76.768, 42.278 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, 76.768, 42.278 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, 76.768, 42.278

Background



This preview shows how black text looks on a background with the CIELCh color 38, 76.768, 42.278.



This preview shows how white text looks on a background with the CIELCh color 38, 76.768, 42.278.

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, 76.768, 42.278

Protanopia

38, 39.132, 95.762

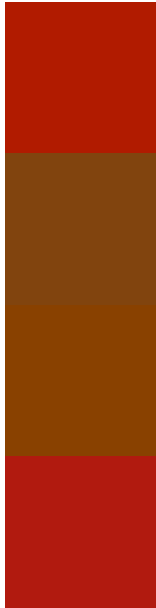
Deuteranopia

39, 46.832, 84.911



Tritanopia
38, 71.510, 36.370

Trichromacy



Original Color
38, 76.768, 42.278

Protanomaly
36, 46.575, 61.181

Deuteranomaly
36, 54.005, 59.540

Tritanomaly
38, 73.452, 38.838

Monochromacy



Original Color
38, 76.768, 42.278

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 28.592, 36.761

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 76.768, 42.278 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(177, 27, 0)` looks like.

```
.text, #text, p{  
    color:rgb(177, 27, 0)  
}
```

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(177, 27, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 27, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 76.768, 42.278 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(177, 27, 0) }
```

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

```
.border{ border-color:rgb(177, 27, 0) }
```

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

Here you see how a box with a 4 pixel rgb(177, 27, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 27, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 27, 0);  
box-shadow:4px 4px 4px 4px rgb(177, 27, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 76.768, 42.278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 27, 0) }
```

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

```
.background{ background-color: rgb(177, 27,  
0) }
```

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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