

Converting Colors

CIELCh(38, 50.733, 118.218)

Have a look what the booklet for
CIELCh(38, 50.733, 118.218)
contains.

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Color

CIELCh(38, 50.249, 118.341)

Conversions

Conversions Part 1

Format	Color
Hex	466200
RGB	70, 98, 0
RGB Percent	27%, 38%, 0%
CMY	0.7246, 0.6148, 0.9990
CMYK	0.29, 0.00, 1.00, 0.61
HSL	77°, 99%, 19%
HSV	77°, 100%, 39%
XYZ	6.9322, 10.0881, 1.5893
YIQ	78.4560, 14.7700, -36.4140

Conversions

Conversions Part 2

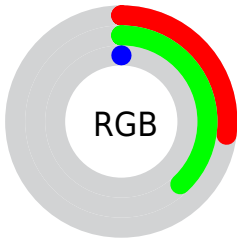
Format	Color
RYB	0, 98, 28
Decimal	4612608
CIELab	38.00, -23.85, 44.23
CIElCh	38, 50.249, 118.341
Yxy	10.0881, 0.3725, 0.5421
Android (android.graphics.Color)	4282802688 (0xFF466200)
YUV	78.4560, -38.6788, -7.4159
Hunter-Lab	31.7617, -16.6241, 19.2665

Details

The CIELCh color **38, 50.249, 118.341** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **10, 64.058, 308.675**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 50.325, 118.319**, and **18, 33.552, 131.529** is the 20% darker color. If you saturate the color by 10%, you get **38, 50.331, 118.348**, and if you desaturate by 10%, it is **38, 47.335, 118.029**.

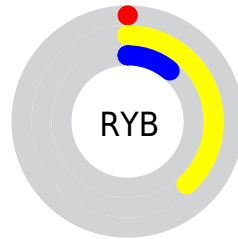
Distribution



Red (27%)

Green (38%)

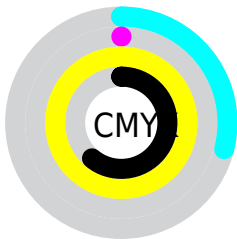
Blue (0%)



Red (0%)

Yellow (38%)

Blue (11%)

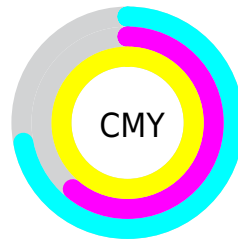


Cyan (29%)

Magenta (0%)

Yellow (100%)

Black (61%)



Cyan (72%)


Magenta (61%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 50.249, 118.341 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, 50.249, 118.341 by changing the saturation by 10% instead.


 38, 50.249,
118.341


 38, 50.249,
118.341

 100, 50.249,
118.341


 28, 50.249,
118.341

 58, 50.249,
118.341


 18, 50.249,
118.341


 68, 50.249,
118.341

 8, 50.249, 118.341

 78, 50.249,
118.341

 0, 50.249, 118.341

 88, 50.249,
118.341

 98, 50.249,
118.341

■ 38, 50.249,
118.341

■ 38, 50.249,
118.341

■ 38, 50.331,
118.348

■ 38, 47.335,
118.029

■ 38, 44.019,
117.792

■ 39, 39.784,
117.860

■ 39, 34.868,
118.144

■ 39, 29.487,
118.567

■ 40, 23.801,
119.073

■ 40, 17.926,
119.621

■ 41, 11.939,

120.183

■ 41, 5.895, 120.742

Harmonies

Complementary

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



38, 50.249, 118.341



10, 64.058, 308.675

Rectangle

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



38, 50.249, 118.341



38, 50.249, 168.341



38, 50.249, 298.341



38, 50.249, 348.341

Sweetspot

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



38, 50.249, 118.343



52, 22.402, 119.556



22, 44.204, 46.355



26, 15.127, 119.399



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



38, 50.249, 118.343



49, 60.724, 118.747



36, 57.707, 133.803



20, 3.359, 120.791



43, 55.353, 118.562



87, 97.256, 119.414

Inverse Universe

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



10, 64.058, 308.675



15, 77.575, 308.428



18, 58.467, 320.568



18, 3.417, 301.761



12, 70.675, 308.553



33, 124.448, 308.005

Previews

White Background



This preview shows how the CIELCh color 38, 50.249, 118.341 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, 50.249, 118.341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

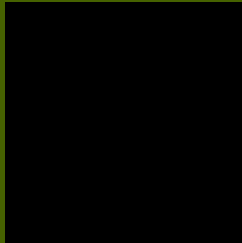
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 50.249, 118.341

Background



This preview shows how black text looks on a background with the CIELCh color 38, 50.249, 118.341.



This preview shows how white text looks on a background with the CIELCh color 38, 50.249, 118.341.

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, 50.249, 118.341

Protanopia

38, 45.686, 95.777

Deuteranopia

38, 40.722, 83.119



Tritanopia
38, 6.727, 246.242

Trichromacy



Original Color
38, 50.249, 118.341

Protanomaly
38, 46.394, 104.718

Deuteranomaly
38, 41.986, 98.528

Tritanomaly
38, 20.480, 130.440

Monochromacy



Original Color
38, 50.249, 118.341

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 22.410, 118.668

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 50.249, 118.341 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(70, 98, 0)` looks like.

```
.text, #text, p{  
    color:rgb(70, 98, 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(70, 98, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 98, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 50.249, 118.341 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(70, 98, 0) }
```

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

```
.border{ border-color:rgb(70, 98, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 98, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 98, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(70, 98, 0); box-shadow:4px  
4px 4px 4px rgb(70, 98, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 50.249, 118.341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 98, 0) }
```

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

```
.background{ background-color: rgb(70, 98,  
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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