

Converting Colors

CIELCh(38, 51.214, 119.803)

Have a look what the booklet for
CIELCh(38, 51.214, 119.803)
contains.

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Color

CIELCh(38, 51.147, 120.101)

Conversions

Conversions Part 1

Format	Color
Hex	436300
RGB	67, 99, 0
RGB Percent	26%, 39%, 0%
CMY	0.7378, 0.6123, 1.0000
CMYK	0.32, 0.00, 1.00, 0.61
HSL	79°, 100%, 19%
HSV	79°, 100%, 39%
XYZ	6.7548, 10.0881, 1.5870
YIQ	78.1460, 12.7070, -37.5730

Conversions

Conversions Part 2

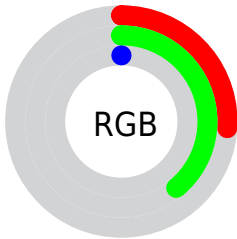
Format	Color
RYB	0, 99, 32
Decimal	4416256
CIELab	38.00, -25.65, 44.25
CIELCh	38, 51.147, 120.101
Yxy	10.0881, 0.3665, 0.5474
Android (android.graphics.Color)	4282606336 (0xFF436300)
YUV	78.1460, -38.5260, -9.7750
Hunter-Lab	31.7617, -17.6211, 19.2708

Details

The CIELCh color **38, 51.147, 120.101** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **11, 64.094, 309.236**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 51.212, 119.998**, and **18, 34.927, 133.459** is the 20% darker color. If you saturate the color by 10%, you get **38, 51.109, 120.120**, and if you desaturate by 10%, it is **38, 48.117, 119.763**.

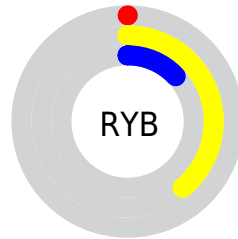
Distribution



Red (26%)

Green (39%)

Blue (0%)



Red (0%)

Yellow (39%)

Blue (13%)

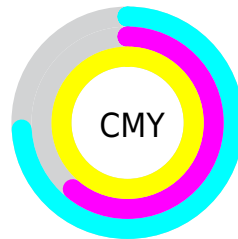


Cyan (32%)

Magenta (0%)

Yellow (100%)

Black (61%)



Cyan (74%)


Magenta (61%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 51.147, 120.101 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, 51.147, 120.101 by changing the saturation by 10% instead.


 38, 51.147,
120.101


 38, 51.147,
120.101

 100, 51.147,
120.101


 28, 51.147,
120.101

 58, 51.147,
120.101


 18, 51.147,
120.101


 68, 51.147,
120.101

 8, 51.147, 120.101

 78, 51.147,
120.101

 0, 51.147, 120.101

 88, 51.147,
120.101

 98, 51.147,
120.101

■ 38, 51.147,
120.101

■ 38, 51.147,
120.101

■ 38, 51.109,
120.120

■ 38, 48.117,
119.763

■ 39, 44.749,
119.466

■ 39, 40.452,
119.488

■ 39, 35.470,
119.736

■ 40, 30.016,
120.128

■ 40, 24.256,
120.604

■ 40, 18.305,
121.122

■ 41, 12.244,

121.655

■ 41, 6.127, 122.185

Harmonies

Complementary

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



38, 51.147, 120.101



11, 64.094, 309.236

Rectangle

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



38, 51.147, 120.101



38, 51.147, 170.101



38, 51.147, 300.101



38, 51.147, 350.101

Sweetspot

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



38, 51.109, 120.120



51, 22.552, 121.077



22, 43.970, 48.433



26, 15.230, 120.928



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, 51.109, 120.120



49, 61.401, 120.537



36, 58.416, 134.262



20, 3.379, 122.245



43, 55.958, 120.339



87, 98.418, 121.252

Inverse Universe

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



11, 64.094, 309.236



16, 77.061, 308.951



19, 58.573, 321.672



18, 3.435, 303.151



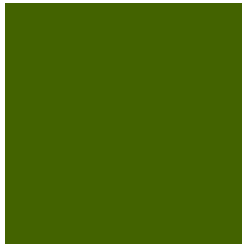
13, 70.206, 309.085



34, 123.644, 308.494

Previews

White Background



This preview shows how the CIELCh color 38, 51.147, 120.101 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, 51.147, 120.101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

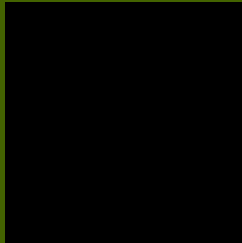
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 51.147, 120.101

Background



This preview shows how black text looks on a background with the CIELCh color 38, 51.147, 120.101.



This preview shows how white text looks on a background with the CIELCh color 38, 51.147, 120.101.

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, 51.147, 120.101

Protanopia

38, 45.686, 95.777

Deuteranopia

38, 40.352, 82.999



Tritanopia
38, 7.179, 235.827

Trichromacy



Original Color
38, 51.147, 120.101

Protanomaly
38, 46.419, 105.337

Deuteranomaly
38, 41.940, 99.222

Tritanomaly
38, 21.758, 133.847

Monochromacy



Original Color
38, 51.147, 120.101

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 22.642, 120.937

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 51.147, 120.101 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(67, 99, 0)` looks like.

```
.text, #text, p{  
    color:rgb(67, 99, 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(67, 99, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 99, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 51.147, 120.101 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(67, 99, 0) }
```

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

```
.border{ border-color:rgb(67, 99, 0) }
```

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

Here you see how a box with a 4 pixel rgb(67, 99, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 99, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(67, 99, 0); box-shadow:4px  
4px 4px 4px rgb(67, 99, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 51.147, 120.101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 99, 0) }
```

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

```
.background{ background-color: rgb(67, 99,  
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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