

Converting Colors

CIELCh(38, 72.324, 107.958)

Have a look what the booklet for
CIELCh(38, 72.324, 107.958)
contains.

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Color

CIELCh(38, 48.921, 114.365)

Conversions

Conversions Part 1

Format	Color
Hex	4D6100
RGB	77, 97, 0
RGB Percent	30%, 38%, 0%
CMY	0.6987, 0.6203, 1.0000
CMYK	0.21, 0.00, 1.00, 0.62
HSL	72°, 100%, 19%
HSV	72°, 100%, 38%
XYZ	7.3042, 10.0881, 1.5565
YIQ	79.9620, 19.2170, -34.4070

Conversions

Conversions Part 2

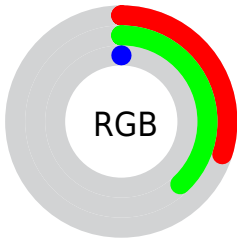
Format	Color
RYB	0, 97, 20
Decimal	5071104
CIELab	38.00, -20.18, 44.56
CIELCh	38, 48.921, 114.365
Yxy	10.0881, 0.3855, 0.5324
Android (android.graphics.Color)	4283261184 (0xFF4D6100)
YUV	79.9620, -39.4213, -2.5977
Hunter-Lab	31.7617, -14.5335, 19.3276

Details

The CIELCh color **38, 48.921, 114.365** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **9, 64.363, 307.783**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 49.119, 114.579**, and **18, 32.005, 126.516** is the 20% darker color. If you saturate the color by 10%, you get **38, 48.866, 114.387**, and if you desaturate by 10%, it is **38, 46.076, 114.223**.

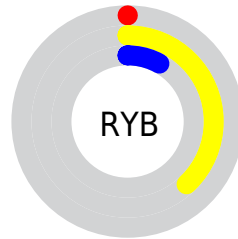
Distribution



Red (30%)

Green (38%)

Blue (0%)



Red (0%)

Yellow (38%)

Blue (8%)

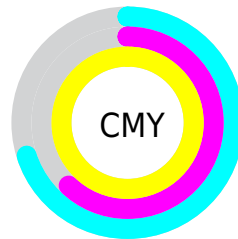


Cyan (21%)

Magenta (0%)

Yellow (100%)

Black (62%)



Cyan (70%)

Magenta (62%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 48.921, 114.365 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, 48.921, 114.365 by changing the saturation by 10% instead.

 38, 48.921,
114.365

 38, 48.921,
114.365

 100, 48.921,
114.365

 28, 48.921,
114.365

 58, 48.921,
114.365

 18, 48.921,
114.365

 68, 48.921,
114.365

 8, 48.921, 114.365

 78, 48.921,
114.365

 0, 48.921, 114.365

 88, 48.921,
114.365

 98, 48.921,
114.365

■ 38, 48.921,
114.365

■ 38, 48.921,
114.365

■ 38, 48.866,
114.387

■ 38, 46.076,
114.223

■ 38, 42.941,
114.120

■ 39, 38.882,
114.291

■ 39, 34.137,
114.660

■ 39, 28.919,
115.160

■ 39, 23.392,
115.738

■ 40, 17.669,
116.358

■ 40, 11.829,

116.995

■ 41, 5.926, 117.630

Harmonies

Complementary

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



38, 48.921, 114.365



9, 64.363, 307.783

Rectangle

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



38, 48.921, 114.365



38, 48.921, 164.365



38, 48.921, 294.365



38, 48.921, 344.365

Sweetspot

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



38, 48.866, 114.387



51, 21.781, 116.303



20, 45.234, 41.890



26, 14.950, 116.121



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, 48.866, 114.387



49, 58.631, 114.700



36, 56.203, 132.317



20, 3.325, 117.701



44, 54.258, 114.575



89, 95.132, 115.254

Inverse Universe

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



9, 64.363, 307.783



14, 77.368, 307.556



16, 58.725, 317.941



18, 3.387, 298.825



12, 71.546, 307.644



32, 125.870, 307.205

Previews

White Background



This preview shows how the CIELCh color 38, 48.921, 114.365 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, 48.921, 114.365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

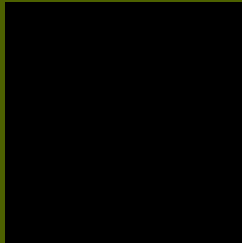
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 38, 48.921, 114.365

Background



This preview shows how black text looks on a background with the CIELCh color 38, 48.921, 114.365.



This preview shows how white text looks on a background with the CIELCh color 38, 48.921, 114.365.

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, 48.921, 114.365

Protanopia

38, 45.686, 95.777

Deuteranopia

38, 41.081, 83.232



Tritanopia
38, 4.717, 265.476

Trichromacy



Original Color
38, 48.921, 114.365

Protanomaly
38, 46.011, 102.852

Deuteranomaly
38, 42.143, 95.697

Tritanomaly
37, 18.760, 121.382

Monochromacy



Original Color
38, 48.921, 114.365

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 21.557, 115.449

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 48.921, 114.365 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(77, 97, 0)` looks like.

```
.text, #text, p{  
    color:rgb(77, 97, 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(77, 97, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 97, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 48.921, 114.365 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(77, 97, 0) }
```

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

```
.border{ border-color:rgb(77, 97, 0) }
```

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

Here you see how a box with a 4 pixel rgb(77, 97, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 97, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(77, 97, 0); box-shadow:4px  
4px 4px 4px rgb(77, 97, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 48.921, 114.365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 97, 0) }
```

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

```
.background{ background-color: rgb(77, 97,  
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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