

Converting Colors

CIELCh(38, 61.973, 126.960)

Have a look what the booklet for
CIELCh(38, 61.973, 126.960)
contains.

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Color

CIELCh(38, 57.128, 129.913)

Conversions

Conversions Part 1

Format	Color
Hex	296700
RGB	41, 103, 0
RGB Percent	16%, 40%, 0%
CMY	0.8374, 0.5979, 1.0000
CMYK	0.60, 0.00, 1.00, 0.60
HSL	96°, 100%, 20%
HSV	96°, 100%, 40%
XYZ	5.7344, 10.0881, 1.6294
YIQ	72.7200, -3.8890, -45.1770

Conversions

Conversions Part 2

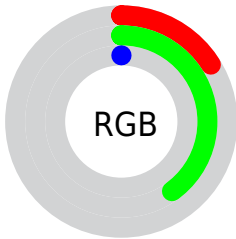
Format	Color
RYB	0, 103, 62
Decimal	2713344
CIELab	38.00, -36.65, 43.82
CIELCh	38, 57.128, 129.913
Yxy	10.0881, 0.3286, 0.5781
Android (android.graphics.Color)	4280903424 (0xFF296700)
YUV	72.7200, -35.8510, -27.8184
Hunter-Lab	31.7617, -23.3558, 19.1916

Details

The CIELCh color **38, 57.128, 129.913** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **15, 62.336, 314.887**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 57.246, 130.301**, and **19, 39.062, 137.997** is the 20% darker color. If you saturate the color by 10%, you get **38, 56.995, 129.993**, and if you desaturate by 10%, it is **38, 53.607, 129.709**.

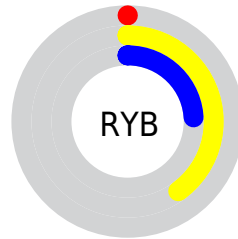
Distribution



Red (16%)

Green (40%)

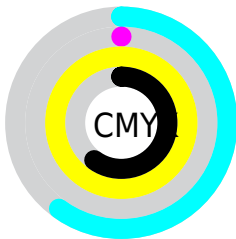
Blue (0%)



Red (0%)

Yellow (40%)

Blue (24%)

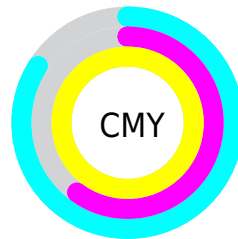


Cyan (60%)

Magenta (0%)

Yellow (100%)

Black (60%)



Cyan (84%)


Magenta (60%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 57.128, 129.913 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, 57.128, 129.913 by changing the saturation by 10% instead.


 38, 57.128,
129.913


 38, 57.128,
129.913

 100, 57.128,
129.913


 28, 57.128,
129.913

 58, 57.128,
129.913


 18, 57.128,
129.913


 68, 57.128,
129.913

 8, 57.128, 129.913

 78, 57.128,
129.913

 0, 57.128, 129.913

 88, 57.128,
129.913

 98, 57.128,
129.913

■ 38, 57.128,
129.913

■ 38, 57.128,
129.913

■ 38, 56.995,
129.993

■ 38, 53.607,
129.709

■ 39, 49.709,
129.434

■ 39, 44.831,
129.484

■ 39, 39.228,
129.751

■ 40, 33.129,
130.143

■ 41, 26.714,
130.594

■ 41, 20.112,
131.061

■ 42, 13.416,

131.518

■ 43, 6.694, 131.953

Harmonies

Complementary

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



38, 57.128, 129.913



15, 62.336, 314.887

Rectangle

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



38, 57.128, 129.913



38, 57.128, 179.913



38, 57.128, 309.913



38, 57.128, 359.913

Sweetspot

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



38, 56.995, 129.993



53, 24.837, 131.022



30, 42.228, 69.843



26, 16.794, 130.885



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



38, 56.995, 129.993



49, 68.802, 130.429



37, 59.416, 137.336



21, 3.740, 132.000



42, 61.860, 130.197



85, 108.361, 131.111

Inverse Universe

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



15, 62.336, 314.887



21, 75.063, 314.587



23, 55.638, 331.643



19, 3.778, 312.669



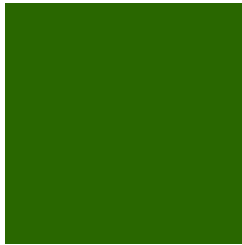
18, 67.578, 314.748



42, 117.773, 314.101

Previews

White Background



This preview shows how the CIELCh color 38, 57.128, 129.913 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, 57.128, 129.913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

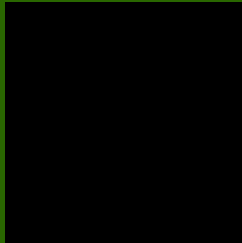
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 57.128, 129.913

Background



This preview shows how black text looks on a background with the CIELCh color 38, 57.128, 129.913.



This preview shows how white text looks on a background with the CIELCh color 38, 57.128, 129.913.

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, 57.285, 130.171

Protanopia
38, 45.416, 95.066

Deuteranopia
38, 39.373, 83.418



Tritanopia
38, 13.938, 218.747

Trichromacy



Original Color
38, 57.285, 130.171

Protanomaly
37, 47.415, 111.859

Deuteranomaly
37, 41.992, 106.846

Tritanomaly
38, 27.283, 150.508

Monochromacy



Original Color
38, 57.285, 130.171

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 25.434, 129.857

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 57.128, 129.913 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(41, 103, 0)` looks like.

```
.text, #text, p{  
    color:rgb(41, 103, 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(41, 103, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 103, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 57.128, 129.913 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(41, 103, 0) }
```

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

```
.border{ border-color:rgb(41, 103, 0) }
```

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

Here you see how a box with a 4 pixel rgb(41, 103, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 103, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 103, 0);  
box-shadow:4px 4px 4px 4px rgb(41, 103, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 57.128, 129.913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 103, 0) }
```

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

```
.background{ background-color: rgb(41, 103,  
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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