

Converting Colors

CIELCh(37, 64.652, 144.963)

Have a look what the booklet for
CIELCh(37, 64.652, 144.963)
contains.

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Color

CIELCh(38, 58.536, 138.661)

Conversions

Conversions Part 1

Format	Color
Hex	006911
RGB	0, 105, 17
RGB Percent	0%, 41%, 7%
CMY	1.0000, 0.5892, 0.9345
CMYK	1.00, 0.00, 0.84, 0.59
HSL	130°, 100%, 21%
HSV	130°, 100%, 41%
XYZ	5.1179, 10.0881, 2.1959
YIQ	63.5730, -34.3320, -49.6280

Conversions

Conversions Part 2

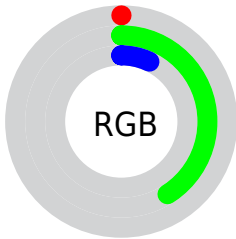
Format	Color
RYB	0, 90, 105
Decimal	26897
CIELab	38.00, -43.95, 38.66
CIELCh	38, 58.536, 138.661
Yxy	10.0881, 0.2941, 0.5797
Android (android.graphics.Color)	4278216977 (0xFF006911)
YUV	63.5730, -22.9605, -55.7535
Hunter-Lab	31.7617, -26.8202, 18.1340

Details

The CIELCh color **38, 58.536, 138.661** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **23, 53.381, 335.340**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **58, 58.195, 138.687**, and **19, 39.625, 137.819** is the 20% darker color. If you saturate the color by 10%, you get **38, 58.498, 138.618**, and if you desaturate by 10%, it is **38, 55.098, 139.788**.

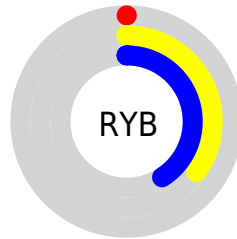
Distribution



Red (0%)

Green (41%)

Blue (7%)



Red (0%)

Yellow (35%)

Blue (41%)

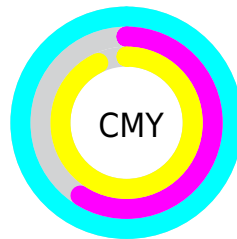


Cyan (100%)

Magenta (0%)

Yellow (84%)

Black (59%)



Cyan (100%)


Magenta (59%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 58.536, 138.661 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, 58.536, 138.661 by changing the saturation by 10% instead.


 38, 58.536,
138.661


 38, 58.536,
138.661

 100, 58.536,
138.661


 28, 58.536,
138.661

 58, 58.536,
138.661


 18, 58.536,
138.661


 68, 58.536,
138.661

 8, 58.536, 138.661

 78, 58.536,
138.661

 0, 58.536, 138.661

 88, 58.536,
138.661

 98, 58.536,
138.661

■ 38, 58.536,
138.661

■ 38, 58.536,
138.661

■ 38, 58.498,
138.618

■ 38, 55.098,
139.788

■ 38, 50.936,
141.231

■ 39, 45.951,
142.637

■ 39, 40.290,
143.946

■ 40, 34.105,
145.129

■ 40, 27.545,
146.175

■ 41, 20.745,
147.090

■ 42, 13.825,

147.887

■ 43, 6.883, 148.587

Harmonies

Complementary

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



38, 58.536, 138.661



23, 53.381, 335.340

Rectangle

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



38, 58.536, 138.661



38, 58.536, 188.661



38, 58.536, 318.661



38, 58.536, 8.661

Sweetspot

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



38, 58.498, 138.618



53, 25.569, 147.020



41, 51.087, 111.451



27, 17.565, 146.747



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



38, 58.498, 138.618



49, 70.941, 138.174



39, 38.228, 159.400



22, 3.936, 148.655



43, 63.714, 138.404



85, 111.938, 137.536

Inverse Universe

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



23, 53.381, 335.340



30, 63.853, 335.569



21, 44.246, 13.292



21, 3.947, 329.632



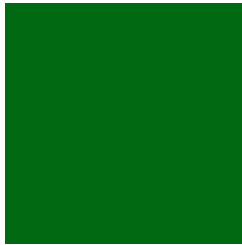
26, 57.761, 335.447



56, 98.709, 335.951

Previews

White Background



This preview shows how the CIELCh color 38, 58.536, 138.661 looks on a white background.

Color Contrast Check

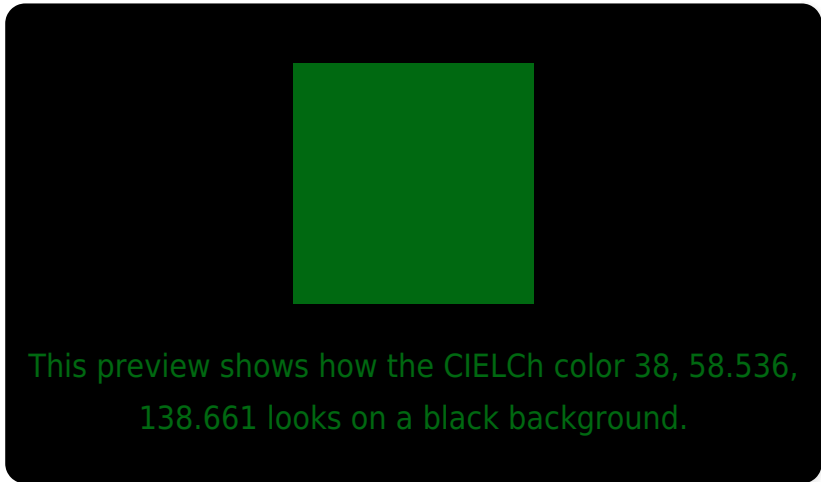
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

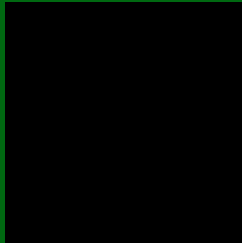
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 58.536, 138.661

Background



This preview shows how black text looks on a background with the CIELCh color 38, 58.536, 138.661.



This preview shows how white text looks on a background with the CIELCh color 38, 58.536, 138.661.

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, 58.536, 138.661

Protanopia
38, 42.241, 95.768

Deuteranopia
38, 36.398, 82.321



Tritanopia
38, 17.995, 213.415

Trichromacy



Original Color
38, 58.536, 138.661

Protanomaly
37, 45.941, 122.057

Deuteranomaly
36, 39.737, 118.813

Tritanomaly
38, 30.523, 162.821

Monochromacy



Original Color
38, 58.536, 138.661

Achromatopsia
27, 0.004, 296.813

Achromatomaly
30, 26.166, 145.424

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 58.536, 138.661 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(0, 105, 17)` looks like.

```
.text, #text, p{  
    color:rgb(0, 105, 17)  
}
```

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(0, 105, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 105, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 58.536, 138.661 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(0, 105, 17) }
```

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

```
.border{ border-color:rgb(0, 105, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 105, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 105, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 105, 17);  
box-shadow:4px 4px 4px 4px rgb(0, 105, 17)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 58.536, 138.661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 105, 17) }
```

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

```
.background{ background-color: rgb(0, 105,  
17) }
```

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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