

Converting Colors

CIELCh(38, 57.993, 138.974)

Have a look what the booklet for
CIELCh(38, 57.993, 138.974)
contains.

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Color

CIELCh(38, 58.260, 138.860)

Conversions

Conversions Part 1

Format	Color
Hex	006912
RGB	0, 105, 18
RGB Percent	0%, 41%, 7%
CMY	1.0000, 0.5893, 0.9306
CMYK	1.00, 0.00, 0.83, 0.59
HSL	130°, 100%, 21%
HSV	130°, 100%, 41%
XYZ	5.1240, 10.0881, 2.2366
YIQ	63.6870, -34.6530, -49.3170

Conversions

Conversions Part 2

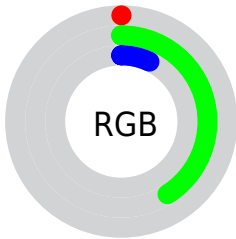
Format	Color
RYB	0, 90, 105
Decimal	26898
CIELab	38.00, -43.88, 38.33
CIELCh	38, 58.260, 138.860
Yxy	10.0881, 0.2937, 0.5782
Android (android.graphics.Color)	4278216978 (0xFF006912)
YUV	63.6870, -22.5237, -55.8535
Hunter-Lab	31.7617, -26.7864, 18.0580

Details

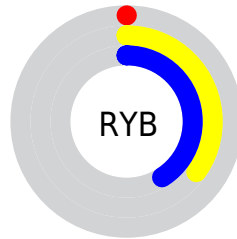
The CIELCh color **38, 58.260, 138.860** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **23, 53.009, 335.840**, and the grayscale version is **27, 0.004, 296.813**.

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, 58.220, 138.814**, and if you desaturate by 10%, it is **38, 54.786, 140.024**.

Distribution



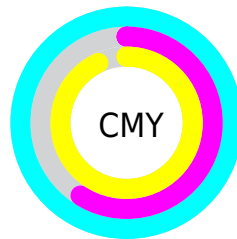
- Red (0%)
- Green (41%)
- Blue (7%)



- Red (0%)
- Yellow (35%)
- Blue (41%)



- Cyan (100%)
- Magenta (0%)
- Yellow (83%)
- Black (59%)




- Cyan (100%)
- Magenta (59%)
- Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 58.260, 138.860 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, 58.260, 138.860 by changing the saturation by 10% instead.


 38, 58.260,
138.860


 38, 58.260,
138.860

 100, 58.260,
138.860

 28, 58.260,
138.860

 58, 58.260,
138.860


 18, 58.260,
138.860

 68, 58.260,
138.860

 8, 58.260, 138.860

 78, 58.260,
138.860

 0, 58.260, 138.860

 88, 58.260,
138.860

 98, 58.260,
138.860

■ 38, 58.260,
138.860

■ 38, 58.260,
138.860

■ 38, 58.220,
138.814

■ 38, 54.786,
140.024

■ 38, 50.617,
141.493

■ 39, 45.646,
142.916

■ 39, 40.014,
144.236

■ 40, 33.868,
145.425

■ 40, 27.352,
146.476

■ 41, 20.601,
147.395

■ 42, 13.729,

148.195

■ 43, 6.836, 148.899

Harmonies

Complementary

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



38, 58.260, 138.860



23, 53.009, 335.840

Rectangle

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



38, 58.260, 138.860



38, 58.260, 188.860



38, 58.260, 318.860



38, 58.260, 8.860

Sweetspot

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



38, 58.220, 138.814



53, 25.393, 147.324



41, 51.235, 112.360



27, 17.444, 147.050



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, 58.220, 138.814



49, 70.632, 138.357



39, 37.481, 160.587



22, 3.910, 148.967



43, 63.427, 138.594



85, 111.511, 137.695

Inverse Universe

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



23, 53.009, 335.840



30, 63.403, 336.087



20, 44.421, 14.813



21, 3.920, 329.951



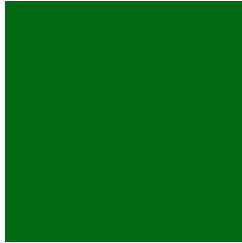
26, 57.359, 335.956



56, 97.987, 336.500

Previews

White Background



This preview shows how the CIELCh color 38, 58.260, 138.860 looks on a white background.

Color Contrast Check

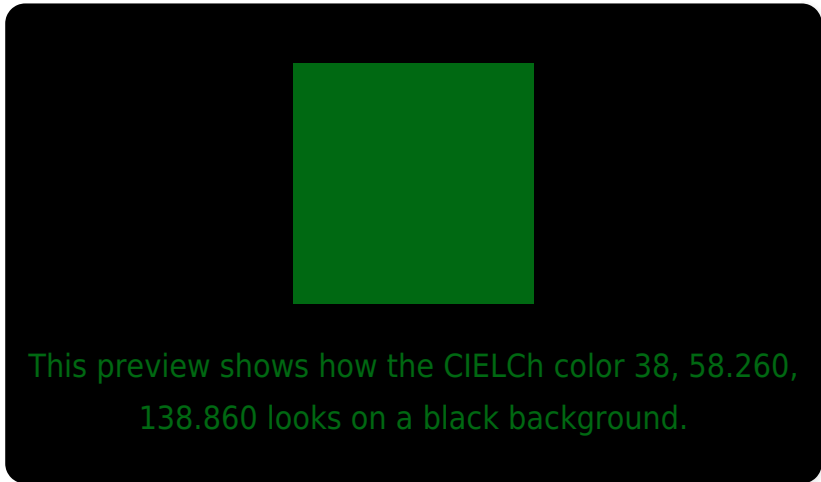
Large Text (above 18pt) WCAG AA ✓ Pass

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

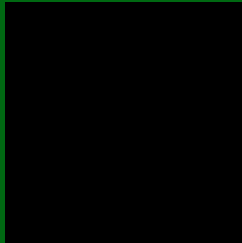
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 58.260, 138.860

Background



This preview shows how black text looks on a background with the CIELCh color 38, 58.260, 138.860.



This preview shows how white text looks on a background with the CIELCh color 38, 58.260, 138.860.

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, 58.260, 138.860

Protanopia

38, 41.624, 95.759

Deuteranopia

38, 36.398, 82.321



Tritanopia
38, 17.995, 213.415

Trichromacy



Original Color
38, 58.260, 138.860

Protanomaly
37, 45.639, 122.218

Deuteranomaly
36, 39.737, 118.813

Tritanomaly
38, 30.523, 162.821

Monochromacy



Original Color
38, 58.260, 138.860

Achromatopsia
27, 0.004, 296.813

Achromatomaly
30, 25.671, 146.258

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 58.260, 138.860 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, 18)` looks like.

```
.text, #text, p{  
    color:rgb(0, 105, 18)  
}
```

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, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 105, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 58.260, 138.860 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, 18) }
```

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

```
.border{ border-color:rgb(0, 105, 18) }
```

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, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 105, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 105, 18);  
box-shadow:4px 4px 4px 4px rgb(0, 105, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 58.260, 138.860 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, 18) }
```

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

```
.background{ background-color: rgb(0, 105,  
18) }
```

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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