Converting Colors

CIELCh(38, 65.924, 136.735)

Have a look what the booklet for CIELCh(38, 65.924, 136.735) contains.

CIELCh(38, 62.800, 136.016) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 12
- ***Previews*** 21
- ***Color Blindness Simulation*** 24
- ***CSS Examples*** 27

Color

CIELCh(38, 62.800, 136.016)

Conversions

Conversions Part 1

Format	Color
Hex	006900
RGB	0, 105, 0
RGB Percent	0%, 41%, 0%
CMY	1.0000, 0.5882, 1.0000
CMYK	1.00, 0.00, 1.00, 0.59
HSL	120°, 100%, 21%
HSV	120°, 100%, 41%
XYZ	5.0180, 10.0881, 1.6499
YIQ	61.6350, -28.8750, -54.9150

Conversions

Conversions Part 2

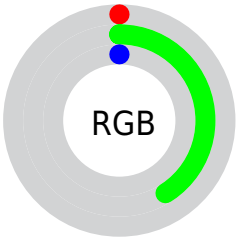
Format	Color
RYB	0, 105, 105
Decimal	26880
CIELab	38.00, -45.19, 43.61
CIELCh	38, 62.800, 136.016
Yxy	10.0881, 0.2995, 0.6021
Android (android.graphics.Color)	4278216960 (0xFF006900)
YUV	61.6350, -30.3861, -54.0539
Hunter-Lab	31.7617, -27.3818, 19.1533

Details

The CIELCh color 38, 62.800, 136.016 is a dark color, and the websafe version is hex 006600. A complement of this color would be 24, 60.193, 328.233, and the grayscale version is 26, 0.004, 296.813.

A 20% lighter version of the original color is 58, 62.005, 135.991, and 19, 39.625, 137.819 is the 20% darker color. If you saturate the color by 10%, you get 38, 62.386, 136.016, and if you desaturate by 10%, it is 38, 59.418, 136.736.

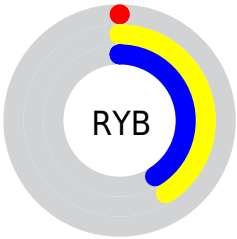
Distribution



Red (0%)

Green (41%)

Blue (0%)



Red (0%)

Yellow (41%)

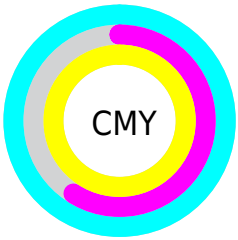
Blue (41%)

Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (59%)



Cyan (100%)

Magenta (59%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 62.800, 136.016 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, 62.800, 136.016 by changing the saturation by 10% instead.

38, 62.800, 136.016

100, 62.800, 136.016

58, 62.800, 136.016

68, 62.800, 136.016

78, 62.800, 136.016

88, 62.800, 136.016

98, 62.800, 136.016

38, 62.800, 136.016

28, 62.800, 136.016

18, 62.800, 136.016

8, 62.800, 136.016

0, 62.800, 136.016

38, 62.800, 136.016

38, 62.386, 136.016

38, 62.800, 136.016

38, 59.418, 136.736

38, 55.775, 137.554

39, 50.827, 138.560

39, 44.842, 139.631

40, 38.095, 140.675

40, 30.826, 141.640

41, 23.236, 142.500

42, 15.488,

143.253

43, 7.710, 143.909

Harmonies

Complementary

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

38, 62.800, 136.016

24, 60.193, 328.233

Rectangle

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

38, 62.800, 136.016

38, 62.800, 186.016

38, 62.800, 316.016

38, 62.800, 6.016

Sweetspot

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

38, 62.386, 136.016

53, 29.020, 142.430

43, 50.475, 102.852

27, 19.629, 142.177

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, 62.386, 136.016

50, 75.751, 136.016

38, 45.159, 150.458

22, 4.400, 143.972

42, 67.487, 136.016

85, 116.131, 136.016

Inverse Universe

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

24, 60.193, 328.233

32, 73.088, 328.233

21, 44.364, 359.604

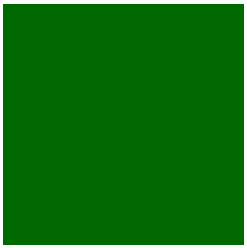
21, 4.407, 324.881

27, 65.115, 328.233

58, 112.048, 328.233

Previews

White Background

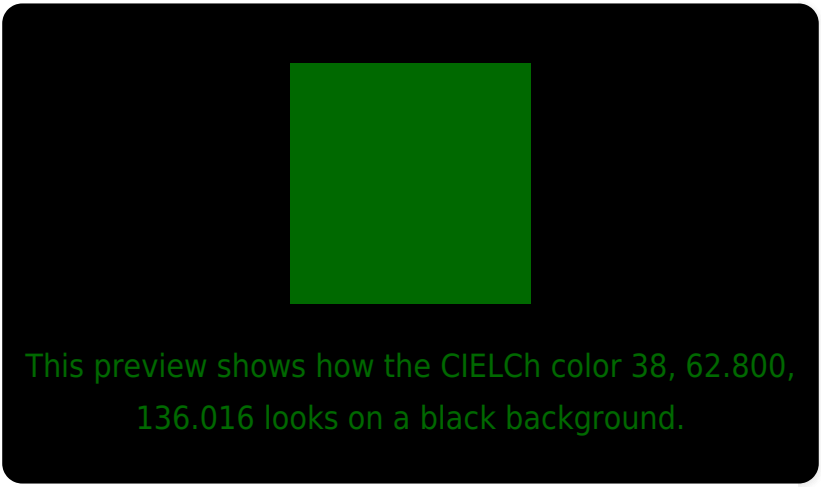


This preview shows how the CIELCh color 38, 62.800, 136.016 looks on a white background.

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



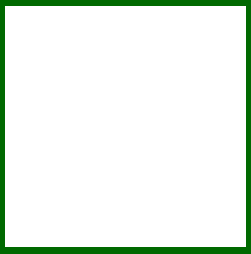
Color Contrast Check

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, 62.800, 136.016 Background

This preview shows how black text looks on a background with the CIELCh color 38, 62.800, 136.016.

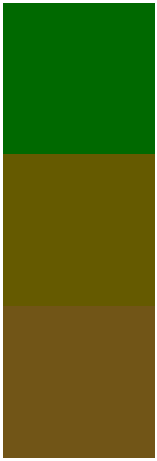


This preview shows how white text looks on a background with the CIELCh color 38, 62.800, 136.016.

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, 62.381, 136.016

Protanopia
38, 45.686, 95.777

Deuteranopia
38, 38.778, 82.455

Tritanopia
38, 18.238, 213.153

Trichromacy

Original Color
38, 62.381, 136.016

Protanomaly
37, 49.714, 120.163

Deuteranomaly
36, 42.946, 116.638

Tritanomaly
38, 33.666, 157.403

Monochromacy

Original Color
38, 62.381, 136.016

Achromatopsia
26, 0.004, 296.813

Achromatomaly
29, 29.874, 140.872

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 62.800, 136.016 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, 0) looks like.

```
.text, #text, p{
    color:rgb(0, 105, 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(0, 105, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 38, 62.800, 136.016 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, 0) }
```

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

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

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, 0) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 38, 62.800, 136.016 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, 0) }
```

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

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