

Converting Colors

CIELCh(38, 66.356, 127.397)

Have a look what the booklet for
CIELCh(38, 66.356, 127.397)
contains.

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Color

CIELCh(38, 58.792, 131.884)

Conversions

Conversions Part 1

Format	Color
Hex	216700
RGB	33, 103, 0
RGB Percent	13%, 40%, 0%
CMY	0.8700, 0.5948, 1.0000
CMYK	0.68, 0.00, 1.00, 0.59
HSL	101°, 100%, 20%
HSV	101°, 100%, 41%
XYZ	5.5096, 10.0881, 1.6341
YIQ	70.3280, -8.6570, -46.8730

Conversions

Conversions Part 2

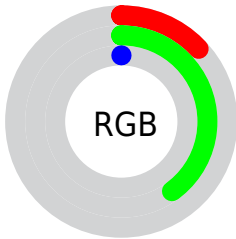
Format	Color
RYB	0, 103, 70
Decimal	2189056
CIELab	38.00, -39.25, 43.77
CIELCh	38, 58.792, 131.884
Yxy	10.0881, 0.3197, 0.5854
Android (android.graphics.Color)	4280379136 (0xFF216700)
YUV	70.3280, -34.6717, -32.7367
Hunter-Lab	31.7617, -24.6190, 19.1828

Details

The CIELCh color **38, 58.792, 131.884** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **17, 61.706, 317.240**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 58.694, 131.887**, and **19, 39.062, 137.997** is the 20% darker color. If you saturate the color by 10%, you get **38, 58.602, 132.003**, and if you desaturate by 10%, it is **38, 55.201, 131.884**.

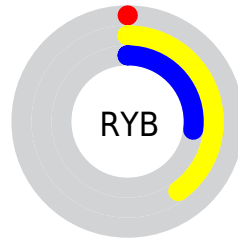
Distribution



Red (13%)

Green (40%)

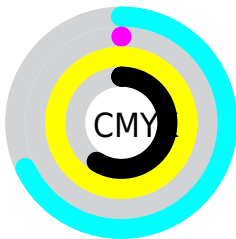
Blue (0%)



Red (0%)

Yellow (40%)

Blue (27%)

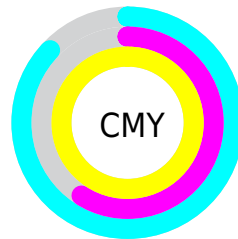


Cyan (68%)

Magenta (0%)

Yellow (100%)

Black (59%)



Cyan (87%)

Magenta (59%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 58.792, 131.884 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, 58.792, 131.884 by changing the saturation by 10% instead.

 38, 58.792,
131.884

 38, 58.792,
131.884

 100, 58.792,
131.884

 28, 58.792,
131.884

 58, 58.792,
131.884

 18, 58.792,
131.884

 68, 58.792,
131.884

 8, 58.792, 131.884

 78, 58.792,
131.884

 0, 58.792, 131.884

 88, 58.792,
131.884

 98, 58.792,
131.884

■ 38, 58.792,
131.884

■ 38, 58.792,
131.884

■ 38, 58.602,
132.003

■ 38, 55.201,
131.884

■ 39, 51.224,
131.747

■ 39, 46.221,
131.914

■ 39, 40.457,
132.277

■ 40, 34.170,
132.744

■ 41, 27.548,
133.251

■ 41, 20.731,
133.756

■ 42, 13.820,

134.238

■ 43, 6.890, 134.687

Harmonies

Complementary

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



38, 58.792, 131.884



17, 61.706, 317.240

Rectangle

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



38, 58.792, 131.884



38, 58.792, 181.884



38, 58.792, 311.884



38, 58.792, 1.884

Sweetspot

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



38, 58.602, 132.003



53, 25.843, 133.713



32, 42.563, 77.299



27, 17.756, 133.557



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, 58.602, 132.003



49, 71.344, 132.405



37, 57.693, 138.793



21, 3.825, 134.735



42, 63.252, 132.173



85, 110.753, 132.978

Inverse Universe

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



17, 61.706, 317.240



24, 74.890, 316.965



22, 52.603, 335.700



19, 3.856, 315.400



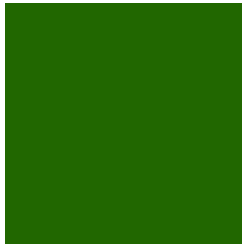
19, 66.514, 317.125



45, 115.760, 316.547

Previews

White Background



This preview shows how the CIELCh color 38, 58.792, 131.884 looks on a white background.

Color Contrast Check

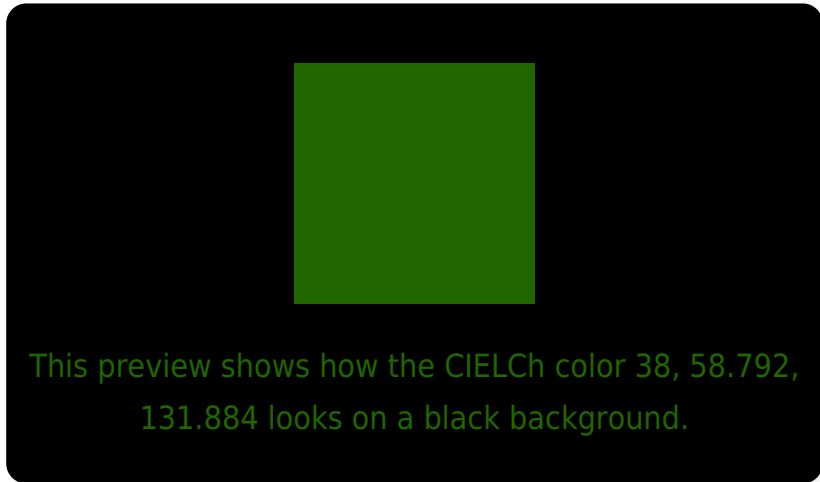
Large Text (above 18pt) WCAG AA ✓ Pass

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, 58.792, 131.884

Background



This preview shows how black text looks on a background with the CIELCh color 38, 58.792, 131.884.



This preview shows how white text looks on a background with the CIELCh color 38, 58.792, 131.884.

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, 58.477, 132.007

Protanopia
38, 45.416, 95.066

Deuteranopia
38, 38.972, 83.284



Tritanopia
38, 15.557, 216.292

Trichromacy



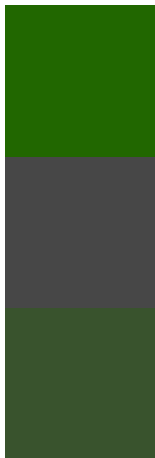
Original Color
38, 58.477, 132.007

Protanomaly
37, 47.704, 113.556

Deuteranomaly
37, 42.263, 109.542

Tritanomaly
38, 29.347, 152.648

Monochromacy



Original Color
38, 58.477, 132.007

Achromatopsia
30, 0.005, 296.813

Achromatomaly
32, 26.276, 133.174

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 58.792, 131.884 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(33, 103, 0)` looks like.

```
.text, #text, p{  
    color:rgb(33, 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(33, 103, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 103, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 58.792, 131.884 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(33, 103, 0) }
```

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

```
.border{ border-color:rgb(33, 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(33, 103, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 103, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 103, 0);  
box-shadow:4px 4px 4px 4px rgb(33, 103, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 58.792, 131.884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 103, 0) }
```

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

```
.background{ background-color: rgb(33, 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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