

Converting Colors

CIELCh(38, 45.894, 143.050)

Have a look what the booklet for
CIELCh(38, 45.894, 143.050)
contains.

CIELCh(38, 45.930, 143.068)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(38, 45.930, 143.068)

Conversions

Conversions Part 1

Format	Color
Hex	1C672A
RGB	28, 103, 42
RGB Percent	11%, 40%, 16%
CMY	0.8908, 0.5965, 0.8357
CMYK	0.73, 0.00, 0.59, 0.60
HSL	131°, 57%, 26%
HSV	131°, 73%, 40%
XYZ	5.7292, 10.0881, 3.8257
YIQ	73.6210, -25.1190, -34.8710

Conversions

Conversions Part 2

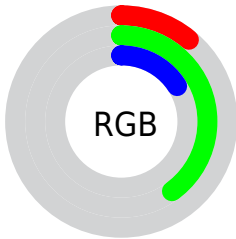
Format	Color
R_{YB}	28, 91, 103
Decimal	1861418
CIE _{Lab}	38.00, -36.71, 27.60
CIE _{LCh}	38, 45.930, 143.068
Yxy	10.0881, 0.2917, 0.5136
Android (android.graphics.Color)	4280051498 (0xFF1C672A)
YUV	73.6210, -15.5892, -40.0096
Hunter-Lab	31.7617, -23.3851, 15.0918

Details

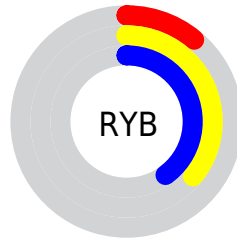
The CIELCh color **38, 45.930, 143.068** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **25, 44.693, 334.701**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 46.188, 143.064**, and **19, 39.062, 137.997** is the 20% darker color. If you saturate the color by 10%, you get **38, 50.602, 141.594**, and if you desaturate by 10%, it is **38, 40.598, 144.439**.

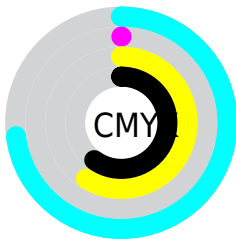
Distribution



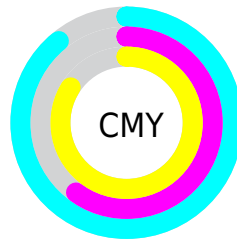
- Red (11%)
- Green (40%)
- Blue (16%)



- Red (11%)
- Yellow (36%)
- Blue (40%)



- Cyan (73%)
- Magenta (0%)
- Yellow (59%)
- Black (60%)




- Cyan (89%)
- Magenta (60%)
- Yellow (84%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 45.930, 143.068 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, 45.930, 143.068 by changing the saturation by 10% instead.

 38, 45.930,
143.068


 38, 45.930,
143.068

 100, 45.930,
143.068


 28, 45.930,
143.068

 58, 45.930,
143.068


 18, 45.930,
143.068


 68, 45.930,
143.068

 8, 45.930, 143.068

 78, 45.930,
143.068

 0, 45.930, 143.068

 88, 45.930,
143.068

 98, 45.930,
143.068

■ 38, 45.930,
143.068

■ 38, 45.930,
143.068

■ 38, 50.602,
141.594

■ 38, 40.598,
144.439

■ 37, 54.504,
140.094

■ 39, 34.738,
145.678

■ 37, 56.902,
139.251

■ 40, 28.487,
146.775

■ 40, 21.975,
147.736

■ 41, 15.317,
148.575

■ 42, 8.612, 149.309

■ 43, 1.937, 150.013

■ 44, 4.646, 330.424

■ 46, 11.096,
330.928

Harmonies

Complementary

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



38, 45.930, 143.068



25, 44.693, 334.701

Rectangle

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



38, 45.930, 143.068



38, 45.930, 193.068



38, 45.930, 323.068



38, 45.930, 13.068

Sweetspot

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



38, 45.930, 143.068



53, 18.099, 148.600



41, 41.985, 113.106



26, 12.065, 148.460



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, 45.930, 143.068



48, 64.243, 140.455



39, 29.766, 166.582



21, 3.703, 149.582



42, 61.809, 139.023



84, 109.741, 138.033

Inverse Universe

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



25, 44.693, 334.701



31, 59.763, 336.037



23, 35.544, 6.126



20, 3.714, 330.566



25, 55.741, 336.932



55, 95.876, 337.577

Previews

White Background



This preview shows how the CIELCh color 38, 45.930, 143.068 looks on a white background.

Color Contrast Check

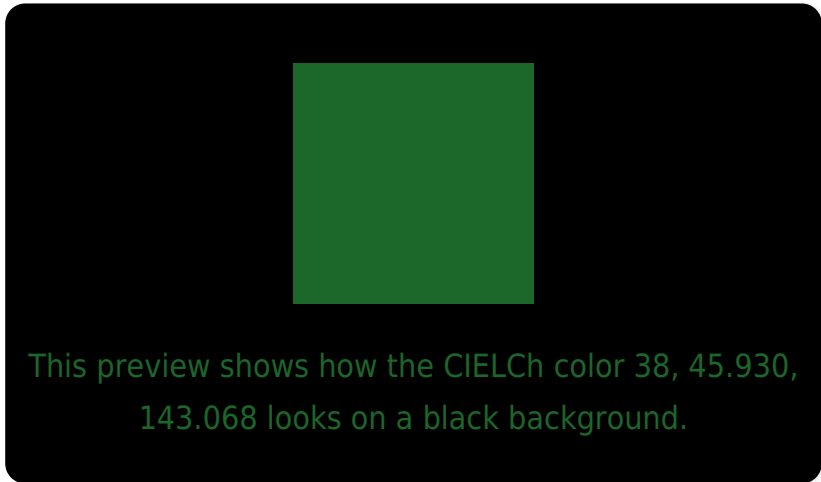
Large Text (above 18pt) WCAG AA ✓ Pass

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, 45.930, 143.068

Background



This preview shows how black text looks on a background with the CIELCh color 38, 45.930, 143.068.



This preview shows how white text looks on a background with the CIELCh color 38, 45.930, 143.068.

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, 45.930, 143.068

Protanopia
38, 30.606, 95.862

Deuteranopia
38, 26.216, 79.317



Tritanopia
38, 17.017, 212.261

Trichromacy



Original Color
38, 45.930, 143.068

Protanomaly
37, 33.725, 122.159

Deuteranomaly
37, 28.614, 118.137

Tritanomaly
38, 24.237, 169.159

Monochromacy



Original Color
38, 45.930, 143.068

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 18.174, 147.815

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 45.930, 143.068 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(28, 103, 42)` looks like.

```
.text, #text, p{  
    color:rgb(28, 103, 42)  
}
```

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(28, 103, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 103, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 45.930, 143.068 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(28, 103, 42) }
```

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

```
.border{ border-color:rgb(28, 103, 42) }
```

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

Here you see how a box with a 4 pixel rgb(28, 103, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 103, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 103, 42);  
box-shadow:4px 4px 4px 4px rgb(28, 103,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 45.930, 143.068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 103, 42) }
```

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

```
.background{ background-color: rgb(28, 103,  
42) }
```

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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