

Converting Colors

CIELCh(70, 88.245, 138.754)

Have a look what the booklet for
CIELCh(70, 88.245, 138.754)
contains.

CIELCh(70, 88.004, 138.804)	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(70, 88.004, 138.804)

Conversions

Conversions Part 1

Format	Color
Hex	26C534
RGB	38, 197, 52
RGB Percent	15%, 77%, 20%
CMY	0.8522, 0.2261, 0.7946
CMYK	0.81, 0.00, 0.73, 0.23
HSL	126°, 68%, 46%
HSV	126°, 81%, 77%
XYZ	21.4616, 40.7494, 10.0259
YIQ	132.9290, -48.2190, -78.8030

Conversions

Conversions Part 2

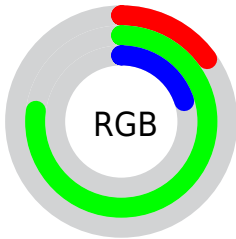
Format	Color
RYB	38, 184, 197
Decimal	2540852
CIELab	70.00, -66.22, 57.96
CIELCh	70, 88.004, 138.804
Yxy	40.7494, 0.2971, 0.5641
Android (android.graphics.Color)	4280730932 (0xFF26C534)
YUV	132.9290, -39.8980, -83.2527
Hunter-Lab	63.8353, -51.6995, 35.3727

Details

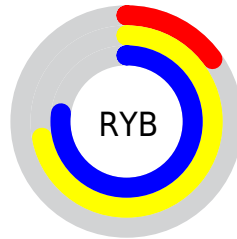
The CIELCh color **70, 88.004, 138.804** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **48, 83.894, 331.442**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 88.075, 138.664**, and **51, 77.464, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **70, 93.648, 137.596**, and if you desaturate by 10%, it is **70, 80.409, 140.132**.

Distribution



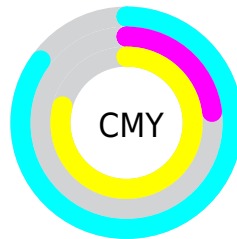
- Red (15%)
- Green (77%)
- Blue (20%)



- Red (15%)
- Yellow (72%)
- Blue (77%)



- Cyan (81%)
- Magenta (0%)
- Yellow (73%)
- Black (23%)





- Cyan (85%)
- Magenta (23%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 88.004, 138.804 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 70, 88.004, 138.804 by changing the saturation by 10% instead.

 70, 88.004,
138.804

 70, 88.004,
138.804


 100, 88.004,
138.804


 60, 88.004,
138.804


 90, 88.004,
138.804

 50, 88.004,
138.804

 40, 88.004,
138.804

 30, 88.004,
138.804

 20, 88.004,
138.804

 10, 88.004,
138.804

 0, 88.004, 138.804

■ 70, 88.004,
138.804

■ 70, 88.004,
138.804

■ 70, 93.648,
137.596

■ 70, 80.409,
140.132

■ 70, 96.969,
136.771

■ 71, 71.214,
141.458

■ 72, 60.790,
142.701

■ 73, 49.491,
143.819

■ 74, 37.629,
144.800

■ 76, 25.473,
145.648

■ 78, 13.237,
146.382

■ 79, 1.087, 147.234

■ 82, 10.858,
327.481

Harmonies

Complementary

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



70, 88.004, 138.804



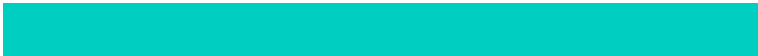
48, 83.894, 331.442

Rectangle

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



70, 88.004, 138.804



70, 88.004, 188.804



70, 88.004, 318.804



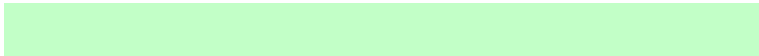
70, 88.004, 8.804

Sweetspot

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



70, 88.004, 138.805



95, 36.013, 145.369



76, 74.297, 107.834



50, 24.733, 145.061



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 88.004, 138.805



88, 117.010, 136.847



71, 59.229, 157.771



41, 6.918, 146.486



58, 83.927, 136.914



11, 25.442, 145.199

Inverse Universe

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



48, 83.894, 331.442



59, 107.091, 332.224



45, 64.517, 2.103



39, 6.932, 327.542



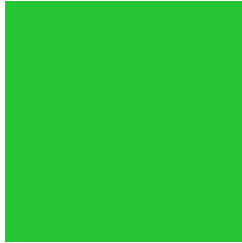
38, 77.049, 332.228



4, 24.702, 330.259

Previews

White Background



This preview shows how the CIELCh color 70, 88.004, 138.804 looks on a white background.

Color Contrast Check

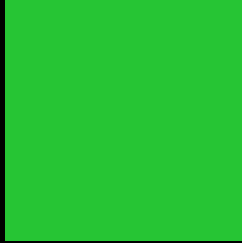
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 70, 88.004, 138.804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

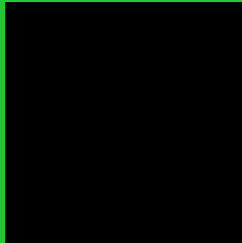
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 88.004, 138.804

Background



This preview shows how black text looks on a background with the CIELCh color 70, 88.004, 138.804.



This preview shows how white text looks on a background with the CIELCh color 70, 88.004, 138.804.

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
70, 87.928, 138.746

Protanopia
69, 62.778, 95.493

Deuteranopia
69, 55.512, 80.716



Tritanopia
70, 28.910, 214.061

Trichromacy



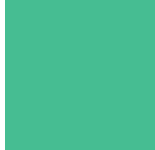
Original Color
70, 87.928, 138.746



Protanomaly
68, 67.872, 120.179



Deuteranomaly
67, 58.744, 115.400



Tritanomaly
69, 45.137, 164.508

Monochromacy



Original Color
70, 87.928, 138.746



Achromatopsia
56, 0.007, 296.813



Achromatomaly
59, 36.969, 144.598

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 88.004, 138.804 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(38, 197, 52)` looks like.

```
.text, #text, p{  
    color:rgb(38, 197, 52)  
}
```

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(38, 197, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 197, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 88.004, 138.804 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(38, 197, 52) }
```

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

```
.border{ border-color:rgb(38, 197, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 197, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 197, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 197, 52);  
box-shadow:4px 4px 4px 4px rgb(38, 197,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 88.004, 138.804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 197, 52) }
```

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

```
.background{ background-color: rgb(38, 197,  
52) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor