

Converting Colors

CIELCh(70, 82.629, 138.999)

Have a look what the booklet for
CIELCh(70, 82.629, 138.999)
contains.

CIELCh(70, 82.388, 139.066)	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, 82.388, 139.066)

Conversions

Conversions Part 1

Format	Color
Hex	38C43F
RGB	56, 196, 63
RGB Percent	22%, 77%, 25%
CMY	0.7796, 0.2308, 0.7524
CMYK	0.71, 0.00, 0.68, 0.23
HSL	123°, 55%, 49%
HSV	123°, 71%, 77%
XYZ	22.3139, 40.7494, 11.4117
YIQ	138.9780, -40.7470, -71.0430

Conversions

Conversions Part 2

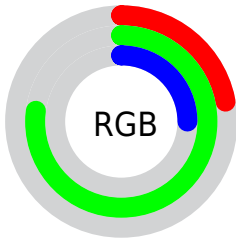
Format	Color
RYB	56, 189, 196
Decimal	3720255
CIELab	70.00, -62.24, 53.98
CIELCh	70, 82.388, 139.066
Yxy	40.7494, 0.2996, 0.5472
Android (android.graphics.Color)	4281910335 (0xFF38C43F)
YUV	138.9780, -37.4572, -72.7717
Hunter-Lab	63.8353, -49.3162, 34.0855

Details

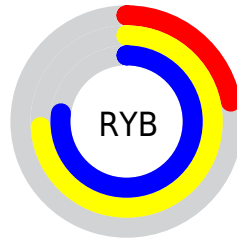
The CIELCh color **70, 82.388, 139.066** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **50, 80.300, 329.457**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 82.492, 139.168**, and **51, 77.067, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **70, 89.720, 137.893**, and if you desaturate by 10%, it is **71, 73.242, 140.303**.

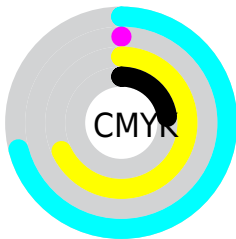
Distribution



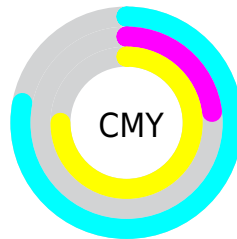
- Red (22%)
- Green (77%)
- Blue (25%)



- Red (22%)
- Yellow (74%)
- Blue (77%)



- Cyan (71%)
- Magenta (0%)
- Yellow (68%)
- Black (23%)





- Cyan (78%)
- Magenta (23%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 82.388, 139.066 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, 82.388, 139.066 by changing the saturation by 10% instead.


 70, 82.388,
139.066


 70, 82.388,
139.066


 100, 82.388,
139.066


 60, 82.388,
139.066


 90, 82.388,
139.066

 50, 82.388,
139.066

 40, 82.388,
139.066

 30, 82.388,
139.066

 20, 82.388,
139.066

 10, 82.388,
139.066

 0, 82.388, 139.066

70, 82.388,
139.066

70, 82.388,
139.066

70, 89.720,
137.893

71, 73.242,
140.303

69, 94.843,
136.919

72, 62.719,
141.499

69, 97.422,
136.389

73, 51.222,
142.594

74, 39.105,
143.563

75, 26.660,
144.404

77, 14.120,
145.131

79, 1.662, 145.883

81, 10.587,
326.217

■ 83, 22.542,
326.672

Harmonies

Complementary

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



70, 82.388, 139.066



50, 80.300, 329.457

Rectangle

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



70, 82.388, 139.066



70, 82.388, 189.066



70, 82.388, 319.066



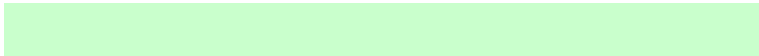
70, 82.388, 9.066

Sweetspot

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



70, 82.388, 139.067



95, 32.446, 144.406



77, 68.035, 105.577



50, 21.966, 144.183



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, 82.388, 139.067



88, 113.400, 137.276



71, 56.637, 156.757



40, 6.974, 145.264



57, 83.813, 136.491



10, 23.693, 144.979

Inverse Universe

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



50, 80.300, 329.457



61, 107.965, 329.988



47, 60.318, 355.347



38, 6.986, 326.296



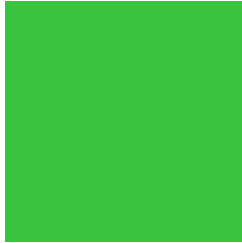
38, 78.716, 330.287



4, 23.129, 328.039

Previews

White Background



This preview shows how the CIELCh color 70, 82.388, 139.066 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, 82.388, 139.066 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, 82.388, 139.066

Background



This preview shows how black text looks on a background with the CIELCh color 70, 82.388, 139.066.



This preview shows how white text looks on a background with the CIELCh color 70, 82.388, 139.066.

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, 82.388, 139.066

Protanopia
69, 58.755, 95.375

Deuteranopia
69, 51.429, 79.854



Tritanopia
70, 27.272, 215.215

Trichromacy



Original Color
70, 82.388, 139.066



Protanomaly
68, 63.228, 119.412



Deuteranomaly
68, 54.043, 113.977



Tritanomaly
69, 41.547, 165.242

Monochromacy



Original Color
70, 82.388, 139.066



Achromatopsia
58, 0.007, 296.813



Achromatomaly
61, 33.919, 143.274

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 82.388, 139.066 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(56, 196, 63)` looks like.

```
.text, #text, p{  
    color:rgb(56, 196, 63)  
}
```

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(56, 196, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 196, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 82.388, 139.066 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(56, 196, 63) }
```

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

```
.border{ border-color:rgb(56, 196, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 196, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 196, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 196, 63);  
box-shadow:4px 4px 4px 4px rgb(56, 196,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 82.388, 139.066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 196, 63) }
```

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

```
.background{ background-color: rgb(56, 196,  
63) }
```

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