

Converting Colors

CIELCh(71, 55.865, 138.947)

Have a look what the booklet for
CIELCh(71, 55.865, 138.947)
contains.

CIELCh(71, 55.835, 138.870)	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(71, 55.835, 138.870)

Conversions

Conversions Part 1

Format	Color
Hex	70C068
RGB	112, 192, 104
RGB Percent	44%, 75%, 41%
CMY	0.5605, 0.2467, 0.5918
CMYK	0.42, 0.00, 0.46, 0.25
HSL	115°, 41%, 58%
HSV	115°, 46%, 75%
XYZ	28.0635, 42.1875, 19.7813
YIQ	158.0480, -19.4320, -44.3280

Conversions

Conversions Part 2

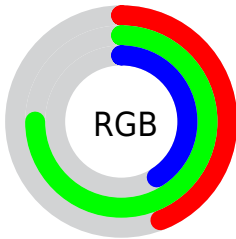
Format	Color
RYB	104, 192, 184
Decimal	7389288
CIELab	71.00, -42.06, 36.73
CIELCh	71, 55.835, 138.870
Yxy	42.1875, 0.3117, 0.4686
Android (android.graphics.Color)	4285579368 (0xFF70C068)
YUV	158.0480, -26.6457, -40.3841
Hunter-Lab	64.9519, -36.5420, 27.4094

Details

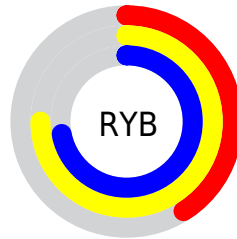
The CIELCh color **71, 55.835, 138.870** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **56, 56.118, 324.110**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 56.142, 138.860**, and **51, 56.063, 138.725** is the 20% darker color. If you saturate the color by 10%, you get **70, 66.910, 137.987**, and if you desaturate by 10%, it is **72, 44.040, 139.703**.

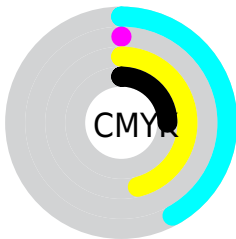
Distribution



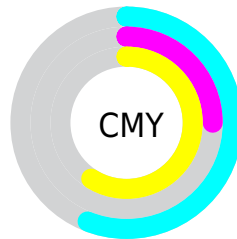
- Red (44%)
- Green (75%)
- Blue (41%)



- Red (41%)
- Yellow (75%)
- Blue (72%)



- Cyan (42%)
- Magenta (0%)
- Yellow (46%)
- Black (25%)





- Cyan (56%)
- Magenta (25%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 55.835, 138.870 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 71, 55.835, 138.870 by changing the saturation by 10% instead.


 71, 55.835,
138.870


 71, 55.835,
138.870


 100, 55.835,
138.870


 61, 55.835,
138.870


 91, 55.835,
138.870

 51, 55.835,
138.870

 41, 55.835,
138.870

 31, 55.835,
138.870

 21, 55.835,
138.870

 11, 55.835,
138.870

 1, 55.835, 138.870

■ 0, 55.835, 138.870

■ 71, 55.835,
138.870

■ 71, 55.835,
138.870

■ 70, 66.910,
137.987

■ 72, 44.040,
139.703

■ 69, 76.861,
137.116

■ 73, 31.837,
140.455

■ 69, 85.199,
136.359

■ 75, 19.469,
141.118

■ 68, 91.416,
135.849

■ 77, 7.116, 141.707

■ 68, 95.175,
135.688

■ 79, 5.091, 322.117

■ 68, 96.268,
135.623

■ 81, 17.062,
322.563

■ 83, 28.738,

322.921

■ 85, 38.896,
324.336

■ 85, 39.452,
325.794

Harmonies

Complementary

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



71, 55.835, 138.870



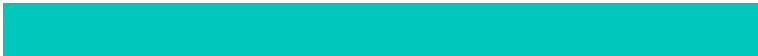
56, 56.118, 324.110

Rectangle

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



71, 55.835, 138.870



71, 55.835, 188.870



71, 55.835, 318.870



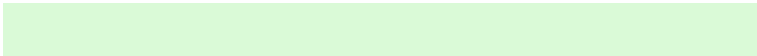
71, 55.835, 8.870

Sweetspot

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



71, 55.836, 138.871



95, 21.323, 141.215



74, 41.954, 100.948



50, 14.731, 141.081



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



71, 55.836, 138.871



89, 81.626, 137.982



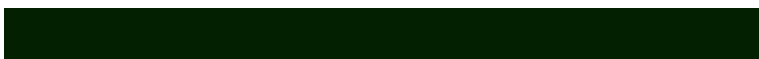
71, 42.705, 154.218



40, 7.005, 141.502



58, 84.247, 135.550



10, 23.687, 142.366

Inverse Universe

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



56, 56.118, 324.110



67, 81.834, 324.475



56, 43.839, 342.704



38, 7.027, 322.404



35, 82.280, 324.735



4, 23.102, 322.352

Previews

White Background



This preview shows how the CIELCh color 71, 55.835, 138.870 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 71, 55.835, 138.870 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 71, 55.835, 138.870

Background



This preview shows how black text looks on a background with the CIELCh color 71, 55.835, 138.870.

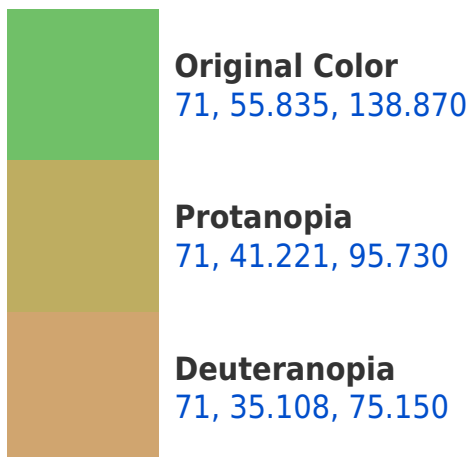


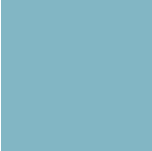
This preview shows how white text looks on a background with the CIELCh color 71, 55.835, 138.870.

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



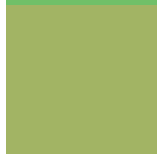


Tritanopia
71, 18.503, 222.786

Trichromacy



Original Color
71, 55.835, 138.870



Protanomaly
70, 42.987, 116.111



Deuteranomaly
70, 35.850, 107.894



Tritanomaly
71, 25.849, 168.245

Monochromacy



Original Color
71, 55.835, 138.870



Achromatopsia
65, 0.008, 296.813



Achromatomaly
67, 20.977, 140.863

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 55.835, 138.870 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(112, 192, 104)` looks like.

```
.text, #text, p{  
    color:rgb(112, 192, 104)  
}
```

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(112, 192, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 192, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 55.835, 138.870 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(112, 192, 104) }
```

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

```
.border{ border-color:rgb(112, 192, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 192, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 192, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 192, 104);  
box-shadow:4px 4px 4px 4px rgb(112, 192,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 55.835, 138.870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 192, 104) }
```

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

```
.background{ background-color: rgb(112,  
192, 104) }
```

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