

Converting Colors

CIELCh(70, 52.806, 138.808)

Have a look what the booklet for
CIELCh(70, 52.806, 138.808)
contains.

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Color

CIELCh(70, 52.699, 138.610)

Conversions

Conversions Part 1

Format	Color
Hex	72BC69
RGB	114, 188, 105
RGB Percent	45%, 74%, 41%
CMY	0.5516, 0.2613, 0.5869
CMYK	0.39, 0.00, 0.44, 0.26
HSL	113°, 38%, 58%
HSV	113°, 44%, 74%
XYZ	27.6132, 40.7494, 19.8646
YIQ	156.4120, -17.4610, -41.5010

Conversions

Conversions Part 2

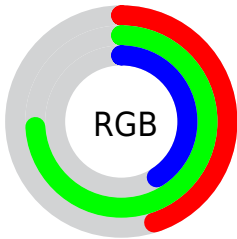
Format	Color
RYB	105, 188, 179
Decimal	7519337
CIELab	70.00, -39.54, 34.84
CIELCh	70, 52.699, 138.610
Yxy	40.7494, 0.3130, 0.4619
Android (android.graphics.Color)	4285709417 (0xFF72BC69)
YUV	156.4120, -25.3461, -37.1953
Hunter-Lab	63.8353, -34.4981, 26.2345

Details

The CIELCh color **70, 52.699, 138.610** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **56, 53.078, 323.503**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 53.034, 138.514**, and **50, 52.483, 138.713** is the 20% darker color. If you saturate the color by 10%, you get **69, 63.720, 137.770**, and if you desaturate by 10%, it is **71, 41.050, 139.401**.

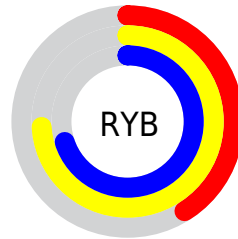
Distribution



Red (45%)

Green (74%)

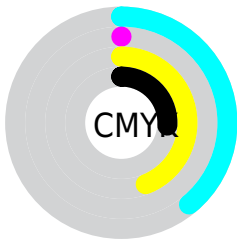
Blue (41%)



Red (41%)

Yellow (74%)

Blue (70%)

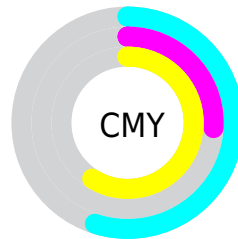


Cyan (39%)

Magenta (0%)

Yellow (44%)

Black (26%)



Cyan (55%)


Magenta (26%)


Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 52.699, 138.610 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, 52.699, 138.610 by changing the saturation by 10% instead.


 70, 52.699,
138.610


 70, 52.699,
138.610


 100, 52.699,
138.610


 60, 52.699,
138.610


 90, 52.699,
138.610

 50, 52.699,
138.610

 40, 52.699,
138.610

 30, 52.699,
138.610

 20, 52.699,
138.610

 10, 52.699,
138.610

 0, 52.699, 138.610

70, 52.699,
138.610

70, 52.699,
138.610

69, 63.720,
137.770

71, 41.050,
139.401

68, 73.738,
136.936

72, 29.060,
140.114

68, 82.293,
136.203

74, 16.948,
140.745

67, 88.877,
135.700

76, 4.876, 141.318

67, 93.096,
135.542

77, 7.038, 321.705

67, 94.724,
135.505

79, 18.715,
322.120

82, 30.102,
322.460

84, 40.720,
323.138

■ 84, 41.775,
325.873

Harmonies

Complementary

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



70, 52.699, 138.610



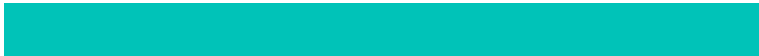
56, 53.078, 323.503

Rectangle

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



70, 52.699, 138.610



70, 52.699, 188.610



70, 52.699, 318.610



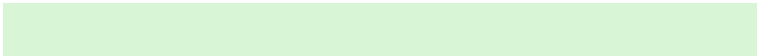
70, 52.699, 8.610

Sweetspot

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



70, 52.700, 138.611



94, 19.352, 140.796



72, 39.204, 100.230



49, 13.550, 140.665



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



70, 52.700, 138.611



88, 77.294, 137.789



70, 41.086, 153.719



39, 6.814, 141.017



57, 83.119, 135.423



9, 21.112, 142.308

Inverse Universe

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



56, 53.078, 323.503



66, 77.729, 323.862



55, 42.040, 341.639



37, 6.838, 321.897



34, 81.452, 324.079



3, 20.344, 320.700

Previews

White Background



This preview shows how the CIELCh color 70, 52.699, 138.610 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, 52.699, 138.610 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, 52.699, 138.610

Background



This preview shows how black text looks on a background with the CIELCh color 70, 52.699, 138.610.



This preview shows how white text looks on a background with the CIELCh color 70, 52.699, 138.610.

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, 52.699, 138.610

Protanopia
70, 38.823, 95.297

Deuteranopia
70, 34.011, 74.928



Tritanopia
70, 17.388, 226.724

Trichromacy



Original Color
70, 52.699, 138.610



Protanomaly
69, 40.959, 115.578



Deuteranomaly
69, 33.864, 106.701



Tritanomaly
70, 23.635, 168.332

Monochromacy



Original Color
70, 52.699, 138.610



Achromatopsia
65, 0.008, 296.813



Achromatomaly
66, 19.664, 140.758

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 52.699, 138.610 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(114, 188, 105)` looks like.

```
.text, #text, p{  
    color:rgb(114, 188, 105)  
}
```

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(114, 188, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 188, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 52.699, 138.610 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(114, 188, 105) }
```

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

```
.border{ border-color:rgb(114, 188, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 188, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 188, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 188, 105);  
box-shadow:4px 4px 4px 4px rgb(114, 188,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 52.699, 138.610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 188, 105) }
```

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

```
.background{ background-color: rgb(114,  
188, 105) }
```

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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