

Converting Colors

CIELCh(75, 54.821, 140.867)

Have a look what the booklet for
CIELCh(75, 54.821, 140.867)
contains.

CIELCh(75, 55.282, 140.700)	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(75, 55.282, 140.700)

Conversions

Conversions Part 1

Format	Color
Hex	78CC76
RGB	120, 204, 118
RGB Percent	47%, 80%, 46%
CMY	0.5308, 0.2014, 0.5386
CMYK	0.41, 0.00, 0.42, 0.20
HSL	119°, 46%, 63%
HSV	119°, 42%, 80%
XYZ	32.4510, 48.2781, 24.6427
YIQ	169.0800, -22.4580, -44.5540

Conversions

Conversions Part 2

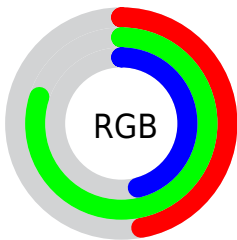
Format	Color
RYB	118, 204, 202
Decimal	7916662
CIELab	75.00, -42.78, 35.01
CIELCh	75, 55.282, 140.700
Yxy	48.2781, 0.3080, 0.4582
Android (android.graphics.Color)	4286106742 (0xFF78CC76)
YUV	169.0800, -25.1824, -43.0432
Hunter-Lab	69.4824, -38.2279, 27.6099

Details

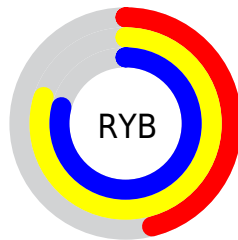
The CIELCh color **75, 55.282, 140.700** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **61, 55.240, 325.999**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 51.550, 140.655**, and **55, 55.100, 140.689** is the 20% darker color. If you saturate the color by 10%, you get **74, 67.330, 139.682**, and if you desaturate by 10%, it is **76, 42.517, 141.623**.

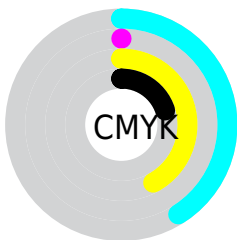
Distribution



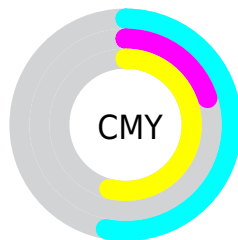
- Red (47%)
- Green (80%)
- Blue (46%)



- Red (46%)
- Yellow (80%)
- Blue (79%)



- Cyan (41%)
- Magenta (0%)
- Yellow (42%)
- Black (20%)





- Cyan (53%)
- Magenta (20%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 55.282, 140.700 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 75, 55.282, 140.700 by changing the saturation by 10% instead.


 75, 55.282,
140.700


 75, 55.282,
140.700


 100, 55.282,
140.700


 65, 55.282,
140.700


 95, 55.282,
140.700

 55, 55.282,
140.700

 45, 55.282,
140.700

 35, 55.282,
140.700

 25, 55.282,
140.700

 15, 55.282,
140.700

 5, 55.282, 140.700

0, 55.282, 140.700

75, 55.282,
140.700

75, 55.282,
140.700

74, 67.330,
139.682

76, 42.517,
141.623

73, 78.239,
138.614

78, 29.368,
142.433

72, 87.508,
137.587

80, 16.096,
143.135

72, 94.597,
136.731

81, 2.895, 143.800

72, 99.078,
136.184

84, 10.097,
324.188

72, 100.986,
135.932

86, 22.786,
324.627

■ 88, 32.212,
325.545

Harmonies

Complementary

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



75, 55.282, 140.700



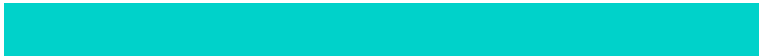
61, 55.240, 325.999

Rectangle

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



75, 55.282, 140.700



75, 55.282, 190.700



75, 55.282, 320.700



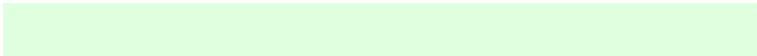
75, 55.282, 10.700

Sweetspot

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



75, 55.283, 140.700



97, 20.567, 143.073



79, 43.184, 104.640



51, 14.406, 142.922



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 55.283, 140.700



91, 79.015, 139.740



76, 39.244, 157.754



42, 7.470, 143.317



59, 86.632, 135.907



12, 28.494, 142.472

Inverse Universe

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



61, 55.240, 325.999



71, 78.708, 326.412



60, 40.859, 345.965



40, 7.484, 324.308



39, 83.796, 327.334



5, 28.817, 326.629

Previews

White Background



This preview shows how the CIELCh color 75, 55.282, 140.700 looks on a white background.

Color Contrast Check

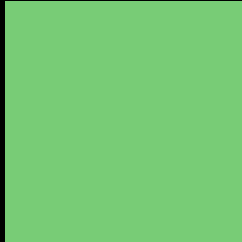
Large Text (above 18pt) WCAG AA × Fail

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 75, 55.282, 140.700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

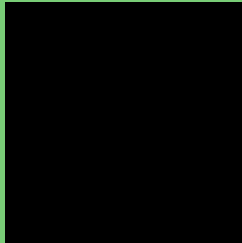
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 55.282, 140.700

Background



This preview shows how black text looks on a background with the CIELCh color 75, 55.282, 140.700.

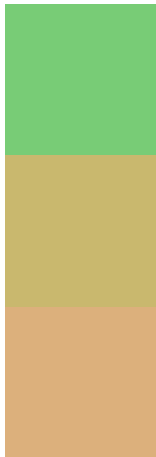


This preview shows how white text looks on a background with the CIELCh color 75, 55.282, 140.700.

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
75, 55.282, 140.700

Protanopia
75, 39.860, 95.896

Deuteranopia
75, 33.969, 74.090



Tritanopia
75, 19.551, 224.644

Trichromacy



Original Color
75, 55.282, 140.700



Protanomaly
74, 41.821, 117.649



Deuteranomaly
74, 33.981, 108.285



Tritanomaly
75, 25.870, 171.367

Monochromacy



Original Color
75, 55.282, 140.700



Achromatopsia
69, 0.009, 296.813



Achromatomaly
71, 21.132, 142.570

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 55.282, 140.700 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(120, 204, 118)` looks like.

```
.text, #text, p{  
    color:rgb(120, 204, 118)  
}
```

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(120, 204, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 204, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 55.282, 140.700 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(120, 204, 118) }
```

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

```
.border{ border-color:rgb(120, 204, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 204, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 204, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 204, 118); box-shadow:4px 4px 4px 4px rgb(120, 204, 118) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 55.282, 140.700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 204, 118) }
```

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

```
.background{ background-color: rgb(120,  
204, 118) }
```

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