

Converting Colors

CIELCh(75, 84.224, 127.122)

Have a look what the booklet for
CIELCh(75, 84.224, 127.122)
contains.

CIELCh(75, 84.386, 127.215)	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, 84.386, 127.215)

Conversions

Conversions Part 1

Format	Color
Hex	78CE29
RGB	120, 206, 41
RGB Percent	47%, 81%, 16%
CMY	0.5295, 0.1923, 0.8393
CMYK	0.42, 0.00, 0.80, 0.19
HSL	91°, 67%, 48%
HSV	91°, 80%, 81%
XYZ	30.2045, 48.2781, 9.8211
YIQ	161.4760, 1.7090, -69.5470

Conversions

Conversions Part 2

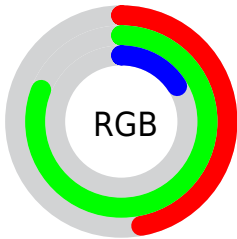
Format	Color
RYB	41, 206, 127
Decimal	7917097
CIELab	75.00, -51.04, 67.20
CIELCh	75, 84.386, 127.215
Yxy	48.2781, 0.3421, 0.5467
Android (android.graphics.Color)	4286107177 (0xFF78CE29)
YUV	161.4760, -59.3947, -36.3745
Hunter-Lab	69.4824, -43.9992, 40.2573

Details

The CIELCh color **75, 84.386, 127.215** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **39, 94.319, 313.119**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 80.057, 126.409**, and **55, 75.931, 130.795** is the 20% darker color. If you saturate the color by 10%, you get **74, 89.994, 127.836**, and if you desaturate by 10%, it is **76, 76.752, 127.037**.

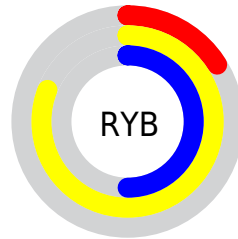
Distribution



Red (47%)

Green (81%)

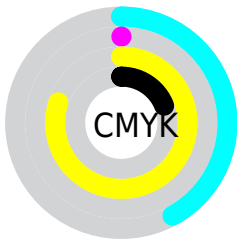
Blue (16%)



Red (16%)

Yellow (81%)

Blue (50%)

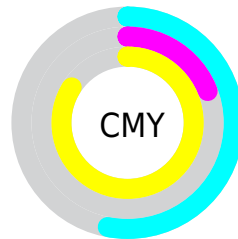


Cyan (42%)

Magenta (0%)

Yellow (80%)

Black (19%)



Cyan (53%)


Magenta (19%)


Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 84.386, 127.215 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, 84.386, 127.215 by changing the saturation by 10% instead.


 75, 84.386,
127.215


 75, 84.386,
127.215


 100, 84.386,
127.215


 65, 84.386,
127.215


 95, 84.386,
127.215

 55, 84.386,
127.215

 45, 84.386,
127.215

 35, 84.386,
127.215

 25, 84.386,
127.215

 15, 84.386,
127.215

 5, 84.386, 127.215

■ 0, 84.386, 127.215

■ 75, 84.386,
127.215

■ 75, 84.386,
127.215

■ 74, 89.994,
127.836

■ 76, 76.752,
127.037

■ 74, 93.618,
128.849

■ 76, 67.559,
127.175

■ 77, 57.293,
127.508

■ 78, 46.340,
127.944

■ 79, 34.981,
128.424

■ 80, 23.407,
128.908

■ 81, 11.755,
129.378

■ 83, 0.117, 130.899

■ 84, 11.440,
310.191

Harmonies

Complementary

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



75, 84.386, 127.215



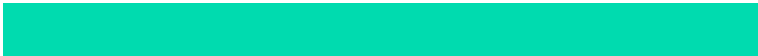
39, 94.319, 313.119

Rectangle

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



75, 84.386, 127.215



75, 84.386, 177.215



75, 84.386, 307.215



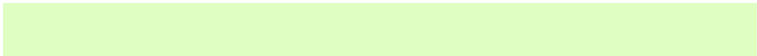
75, 84.386, 357.215

Sweetspot

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



75, 84.386, 127.216



96, 33.209, 128.706



60, 61.147, 66.374



51, 22.796, 128.531



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, 84.386, 127.216



90, 108.795, 128.576



73, 93.791, 137.395



42, 6.543, 129.412



61, 79.453, 128.597



13, 24.716, 131.214

Inverse Universe

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



39, 94.319, 313.119



43, 122.840, 312.457



51, 91.000, 328.585



40, 6.629, 310.207



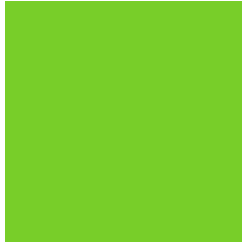
26, 89.900, 312.483



3, 24.648, 307.446

Previews

White Background



This preview shows how the CIELCh color 75, 84.386, 127.215 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, 84.386, 127.215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

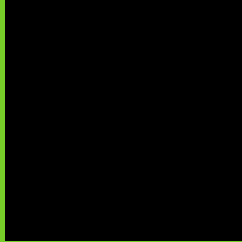
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 84.386, 127.215

Background



This preview shows how black text looks on a background with the CIELCh color 75, 84.386, 127.215.

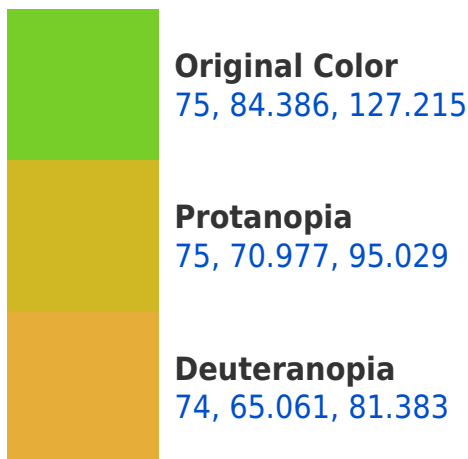


This preview shows how white text looks on a background with the CIELCh color 75, 84.386, 127.215.

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
75, 17.814, 225.576

Trichromacy



Original Color
75, 84.386, 127.215

Protanomaly
74, 72.804, 109.224

Deuteranomaly
74, 66.022, 102.274

Tritanomaly
74, 35.560, 147.906

Monochromacy



Original Color
75, 84.386, 127.215

Achromatopsia
66, 0.008, 296.813

Achromatomaly
69, 34.721, 128.095

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 84.386, 127.215 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, 206, 41)` looks like.

```
.text, #text, p{  
    color:rgb(120, 206, 41)  
}
```

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, 206, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 206, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 84.386, 127.215 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, 206, 41) }
```

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

```
.border{ border-color:rgb(120, 206, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 206, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 206, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 206, 41);  
box-shadow:4px 4px 4px 4px rgb(120, 206,  
41) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 84.386, 127.215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 206, 41) }
```

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

```
.background{ background-color: rgb(120,  
206, 41) }
```

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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