

Converting Colors

CIELCh(74, 80.380, 125.824)

Have a look what the booklet for
CIELCh(74, 80.380, 125.824)
contains.

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Color

CIELCh(74, 80.577, 125.857)

Conversions

Conversions Part 1

Format	Color
Hex	7ECA2D
RGB	126, 202, 45
RGB Percent	49%, 79%, 18%
CMY	0.5071, 0.2090, 0.8248
CMYK	0.38, 0.00, 0.78, 0.21
HSL	89°, 64%, 48%
HSV	89°, 78%, 79%
XYZ	30.0792, 46.7039, 9.8778
YIQ	161.3780, 5.1010, -64.9390

Conversions

Conversions Part 2

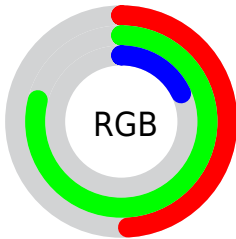
Format	Color
RYB	45, 202, 121
Decimal	8309293
CIELab	74.00, -47.20, 65.31
CIELCh	74, 80.577, 125.857
Yxy	46.7039, 0.3471, 0.5389
Android (android.graphics.Color)	4286499373 (0xFF7ECA2D)
YUV	161.3780, -57.3744, -31.0265
Hunter-Lab	68.3403, -41.0307, 39.2685

Details

The CIELCh color **74, 80.577, 125.857** 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 **38, 91.142, 312.153**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 78.440, 125.245**, and **54, 73.000, 128.935** is the 20% darker color. If you saturate the color by 10%, you get **73, 86.489, 126.386**, and if you desaturate by 10%, it is **75, 72.779, 125.747**.

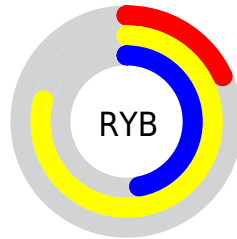
Distribution



Red (49%)

Green (79%)

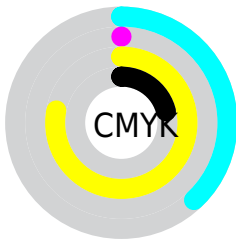
Blue (18%)



Red (18%)

Yellow (79%)

Blue (47%)

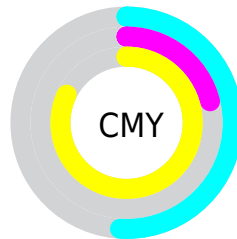


Cyan (38%)

Magenta (0%)

Yellow (78%)

Black (21%)



Cyan (51%)


Magenta (21%)


Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 80.577, 125.857 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 74, 80.577, 125.857 by changing the saturation by 10% instead.


 74, 80.577,
125.857

 74, 80.577,
125.857


 100, 80.577,
125.857


 64, 80.577,
125.857


 94, 80.577,
125.857

 54, 80.577,
125.857

 44, 80.577,
125.857

 34, 80.577,
125.857

 24, 80.577,
125.857

 14, 80.577,
125.857

 4, 80.577, 125.857

■ 0, 80.577, 125.857

■ 74, 80.577,
125.857

■ 74, 80.577,
125.857

■ 73, 86.489,
126.386

■ 75, 72.779,
125.747

■ 73, 90.334,
127.381

■ 75, 63.572,
125.925

■ 73, 91.043,
127.604

■ 76, 53.413,
126.279

■ 77, 42.655,
126.726

■ 78, 31.544,
127.210

■ 79, 20.253,
127.697

■ 80, 8.899, 128.173

■ 81, 2.434, 308.553

■ 83, 13.687,
308.997

Harmonies

Complementary

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



74, 80.577, 125.857



38, 91.142, 312.153

Rectangle

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



74, 80.577, 125.857



74, 80.577, 175.857



74, 80.577, 305.857



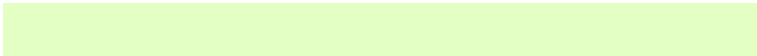
74, 80.577, 355.857

Sweetspot

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



74, 80.577, 125.858



97, 31.538, 127.432



58, 58.619, 63.792



51, 21.810, 127.253



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



74, 80.577, 125.858



90, 106.369, 126.987



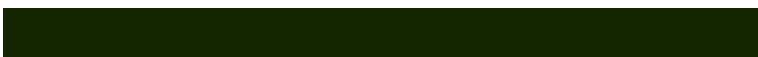
71, 91.212, 137.148



42, 6.487, 128.100



61, 78.511, 127.371



13, 24.397, 129.854

Inverse Universe

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



38, 91.142, 312.153



42, 122.333, 311.787



50, 89.238, 327.400



40, 6.579, 308.923



25, 90.618, 311.631



2, 24.468, 306.052

Previews

White Background



This preview shows how the CIELCh color 74, 80.577, 125.857 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 74, 80.577, 125.857 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 74, 80.577, 125.857

Background



This preview shows how black text looks on a background with the CIELCh color 74, 80.577, 125.857.

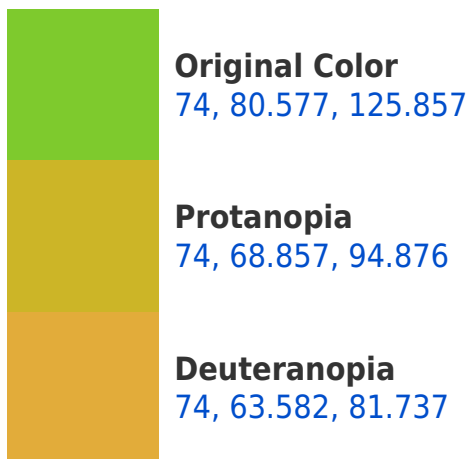


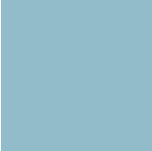
This preview shows how white text looks on a background with the CIELCh color 74, 80.577, 125.857.

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
74, 15.729, 229.803

Trichromacy



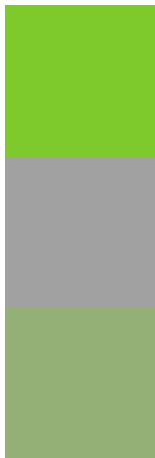
Original Color
74, 80.577, 125.857

Protanomaly
73, 70.489, 108.128

Deuteranomaly
73, 64.251, 101.138

Tritanomaly
73, 33.027, 145.630

Monochromacy



Original Color
74, 80.577, 125.857

Achromatopsia
66, 0.008, 296.813

Achromatomaly
69, 32.827, 127.263

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 80.577, 125.857 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(126, 202, 45)` looks like.

```
.text, #text, p{  
    color:rgb(126, 202, 45)  
}
```

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(126, 202, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 202, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 80.577, 125.857 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(126, 202, 45) }
```

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

```
.border{ border-color:rgb(126, 202, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 202, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 202, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 202, 45);  
box-shadow:4px 4px 4px 4px rgb(126, 202,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 80.577, 125.857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 202, 45) }
```

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

```
.background{ background-color: rgb(126,  
202, 45) }
```

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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