

Converting Colors

CIELCh(77, 85.377, 128.417)

Have a look what the booklet for
CIELCh(77, 85.377, 128.417)
contains.

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Color

CIELCh(77, 85.377, 128.417)

Conversions

Conversions Part 1

Format	Color
Hex	78D430
RGB	120, 212, 48
RGB Percent	47%, 83%, 19%
CMY	0.5278, 0.1670, 0.8099
CMYK	0.43, 0.00, 0.77, 0.17
HSL	94°, 66%, 51%
HSV	94°, 77%, 83%
XYZ	31.9931, 51.5317, 11.1077
YIQ	165.7960, -2.1880, -70.5080

Conversions

Conversions Part 2

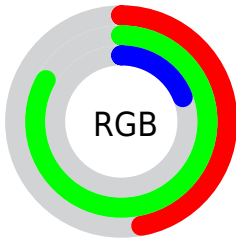
Format	Color
RYB	48, 212, 140
Decimal	7918640
CIELab	77.00, -53.05, 66.89
CIELCh	77, 85.377, 128.417
Yxy	51.5317, 0.3381, 0.5445
Android (android.graphics.Color)	4286108720 (0xFF78D430)
YUV	165.7960, -58.0734, -40.1631
Hunter-Lab	71.7856, -46.0717, 41.0757

Details

The CIELCh color **77, 85.377, 128.417** 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 **42, 93.703, 314.202**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 77.622, 126.942**, and **57, 78.643, 131.378** is the 20% darker color. If you saturate the color by 10%, you get **76, 91.839, 128.867**, and if you desaturate by 10%, it is **78, 76.935, 128.373**.

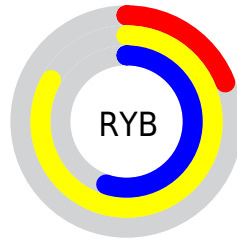
Distribution



Red (47%)

Green (83%)

Blue (19%)



Red (19%)

Yellow (83%)

Blue (55%)

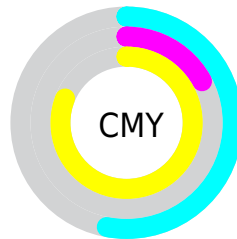


Cyan (43%)

Magenta (0%)

Yellow (77%)

Black (17%)



Cyan (53%)

Magenta (17%)


Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 85.377, 128.417 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 77, 85.377, 128.417 by changing the saturation by 10% instead.

 77, 85.377,
128.417

 77, 85.377,
128.417


 100, 85.377,
128.417


 67, 85.377,
128.417


 97, 85.377,
128.417

 57, 85.377,
128.417

 47, 85.377,
128.417

 37, 85.377,
128.417

 27, 85.377,
128.417

 17, 85.377,
128.417

 7, 85.377, 128.417

■ 0, 85.377, 128.417

■ 77, 85.377,
128.417

■ 77, 85.377,
128.417

■ 76, 91.839,
128.867

■ 78, 76.935,
128.373

■ 76, 96.055,
129.789

■ 78, 67.025,
128.603

■ 76, 97.029,
130.068

■ 79, 56.128,
128.992

■ 80, 44.614,
129.458

■ 81, 32.747,
129.946

■ 83, 20.711,
130.428

■ 84, 8.633, 130.889

■ 85, 3.394, 311.246

■ 87, 15.307,
311.657

Harmonies

Complementary

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



77, 85.377, 128.417



42, 93.703, 314.202

Rectangle

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



77, 85.377, 128.417



77, 85.377, 178.417



77, 85.377, 308.417



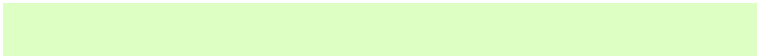
77, 85.377, 358.417

Sweetspot

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



77, 85.377, 128.418



96, 32.161, 130.138



64, 60.524, 69.885



51, 22.248, 129.961



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 85.377, 128.418



90, 108.958, 129.450



75, 92.534, 138.328



44, 6.878, 130.787



62, 82.290, 129.831



15, 28.307, 131.051

Inverse Universe

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



42, 93.703, 314.202



45, 120.554, 313.670



52, 89.418, 329.695



42, 6.961, 311.565



28, 91.177, 313.442



3, 29.425, 310.904

Previews

White Background



This preview shows how the CIELCh color 77, 85.377, 128.417 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 77, 85.377, 128.417 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 77, 85.377, 128.417

Background



This preview shows how black text looks on a background with the CIELCh color 77, 85.377, 128.417.



This preview shows how white text looks on a background with the CIELCh color 77, 85.377, 128.417.

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
77, 85.377, 128.417

Protanopia
76, 70.511, 95.202

Deuteranopia
76, 64.831, 81.196



Tritanopia
77, 19.002, 225.374

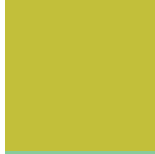
Trichromacy



Original Color
77, 85.377, 128.417



Protanomaly
76, 72.785, 110.016



Deuteranomaly
75, 65.434, 102.829

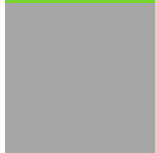


Tritanomaly
76, 36.101, 150.379

Monochromacy



Original Color
77, 85.377, 128.417



Achromatopsia
68, 0.008, 296.813



Achromatomaly
71, 34.990, 129.876

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 85.377, 128.417 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, 212, 48)` looks like.

```
.text, #text, p{  
    color:rgb(120, 212, 48)  
}
```

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, 212, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 212, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 85.377, 128.417 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, 212, 48) }
```

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

```
.border{ border-color:rgb(120, 212, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 212, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 212, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 212, 48);  
box-shadow:4px 4px 4px 4px rgb(120, 212,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 85.377, 128.417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 212, 48) }
```

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

```
.background{ background-color: rgb(120,  
212, 48) }
```

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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