

Converting Colors

CIELCh(77, 87.910, 129.022)

Have a look what the booklet for
CIELCh(77, 87.910, 129.022)
contains.

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Color

CIELCh(77, 87.878, 128.962)

Conversions

Conversions Part 1

Format	Color
Hex	73D52B
RGB	115, 213, 43
RGB Percent	45%, 84%, 17%
CMY	0.5482, 0.1639, 0.8303
CMYK	0.46, 0.00, 0.80, 0.16
HSL	95°, 67%, 50%
HSV	95°, 80%, 84%
XYZ	31.3881, 51.5317, 10.6031
YIQ	164.3180, -3.8380, -73.6460

Conversions

Conversions Part 2

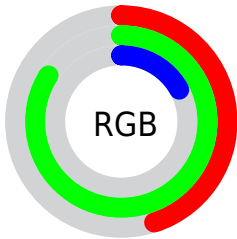
Format	Color
RYB	43, 213, 141
Decimal	7591211
CIELab	77.00, -55.26, 68.33
CIELCh	77, 87.878, 128.962
Yxy	51.5317, 0.3356, 0.5510
Android (android.graphics.Color)	4285781291 (0xFF73D52B)
YUV	164.3180, -59.8098, -43.2519
Hunter-Lab	71.7856, -47.5762, 41.4925

Details

The CIELCh color **77, 87.878, 128.962** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **42, 96.056, 314.611**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 79.896, 127.567**, and **57, 79.683, 132.505** is the 20% darker color. If you saturate the color by 10%, you get **76, 93.820, 129.512**, and if you desaturate by 10%, it is **78, 79.830, 128.844**.

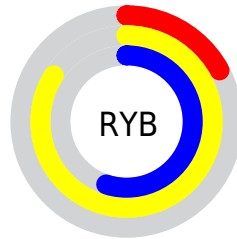
Distribution



Red (45%)

Green (84%)

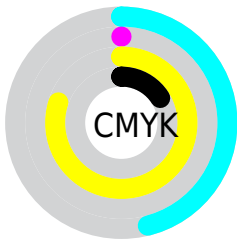
Blue (17%)



Red (17%)

Yellow (84%)

Blue (55%)

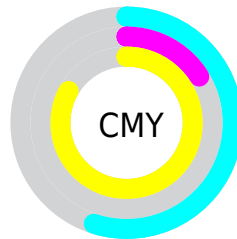


Cyan (46%)

Magenta (0%)

Yellow (80%)

Black (16%)



Cyan (55%)


Magenta (16%)

Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 87.878, 128.962 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, 87.878, 128.962 by changing the saturation by 10% instead.


 77, 87.878,
128.962


 77, 87.878,
128.962


 100, 87.878,
128.962


 67, 87.878,
128.962


 97, 87.878,
128.962

 57, 87.878,
128.962

 47, 87.878,
128.962

 37, 87.878,
128.962

 27, 87.878,
128.962

 17, 87.878,
128.962

 7, 87.878, 128.962

■ 0, 87.878, 128.962

■ 77, 87.878,
128.962

■ 77, 87.878,
128.962

■ 76, 93.820,
129.512

■ 78, 79.830,
128.844

■ 76, 97.658,
130.473

■ 78, 70.167,
129.030

■ 76, 97.760,
130.500

■ 79, 59.396,
129.398

■ 80, 47.920,
129.857

■ 81, 36.031,
130.348

■ 83, 23.931,
130.835

■ 84, 11.766,
131.301

■ 85, 0.365, 311.301

■ 87, 12.391,
312.083

Harmonies

Complementary

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



77, 87.878, 128.962



42, 96.056, 314.611

Rectangle

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



77, 87.878, 128.962



77, 87.878, 178.962



77, 87.878, 308.962



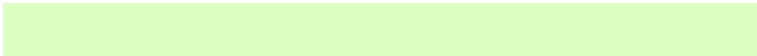
77, 87.878, 358.962

Sweetspot

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



77, 87.878, 128.963



96, 33.695, 130.616



64, 62.611, 70.924



51, 23.134, 130.440



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, 87.878, 128.963



89, 110.660, 130.219



75, 93.890, 138.369



44, 6.905, 131.313



62, 82.671, 130.262



15, 28.449, 131.542

Inverse Universe

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



42, 96.056, 314.611



44, 121.474, 313.862



52, 90.070, 330.410



42, 6.985, 312.085



28, 90.879, 313.844



3, 29.556, 311.563

Previews

White Background



This preview shows how the CIELCh color 77, 87.878, 128.962 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, 87.878, 128.962 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, 87.878, 128.962

Background



This preview shows how black text looks on a background with the CIELCh color 77, 87.878, 128.962.



This preview shows how white text looks on a background with the CIELCh color 77, 87.878, 128.962.

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

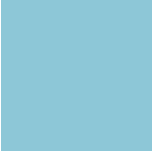
77, 87.878, 128.962

Protanopia

76, 72.243, 94.879

Deuteranopia

76, 66.141, 81.113



Tritanopia
77, 20.286, 223.436

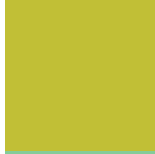
Trichromacy



Original Color
77, 87.878, 128.962



Protanomaly
76, 74.554, 110.388



Deuteranomaly
75, 66.844, 103.099

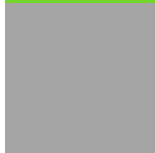


Tritanomaly
76, 38.035, 151.001

Monochromacy



Original Color
77, 87.878, 128.962



Achromatopsia
68, 0.008, 296.813



Achromatomaly
70, 36.280, 130.294

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 87.878, 128.962 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(115, 213, 43)` looks like.

```
.text, #text, p{  
    color:rgb(115, 213, 43)  
}
```

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(115, 213, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 213, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 87.878, 128.962 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(115, 213, 43) }
```

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

```
.border{ border-color:rgb(115, 213, 43) }
```

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

Here you see how a box with a 4 pixel rgb(115, 213, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 213, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 213, 43);  
box-shadow:4px 4px 4px 4px rgb(115, 213,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 87.878, 128.962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 213, 43) }
```

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

```
.background{ background-color: rgb(115,  
213, 43) }
```

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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