

Converting Colors

CIELCh(77, 82.548, 133.196)

Have a look what the booklet for
CIELCh(77, 82.548, 133.196)
contains.

CIELCh(77, 82.675, 133.084)	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(77, 82.675, 133.084)

Conversions

Conversions Part 1

Format	Color
Hex	6BD643
RGB	107, 214, 67
RGB Percent	42%, 84%, 26%
CMY	0.5810, 0.1614, 0.7379
CMYK	0.50, 0.00, 0.69, 0.16
HSL	104°, 64%, 55%
HSV	104°, 69%, 84%
XYZ	31.0583, 51.5317, 13.5952
YIQ	165.2490, -16.5850, -68.4010

Conversions

Conversions Part 2

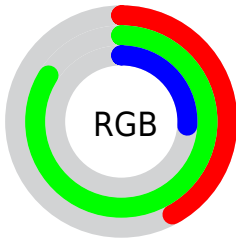
Format	Color
RYB	67, 214, 174
Decimal	7067203
CIELab	77.00, -56.47, 60.38
CIELCh	77, 82.675, 133.084
Yxy	51.5317, 0.3229, 0.5358
Android (android.graphics.Color)	4285257283 (0xFF6BD643)
YUV	165.2490, -48.4368, -51.0844
Hunter-Lab	71.7856, -48.3963, 39.0212

Details

The CIELCh color **77, 82.675, 133.084** 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 **49, 85.680, 319.102**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 73.744, 132.156**, and **57, 81.233, 133.698** is the 20% darker color. If you saturate the color by 10%, you get **76, 91.176, 132.908**, and if you desaturate by 10%, it is **78, 72.485, 133.506**.

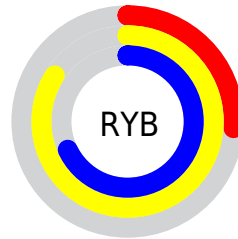
Distribution



Red (42%)

Green (84%)

Blue (26%)



Red (26%)

Yellow (84%)

Blue (68%)

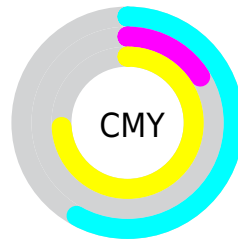


Cyan (50%)

Magenta (0%)

Yellow (69%)

Black (16%)



Cyan (58%)


Magenta (16%)

Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 82.675, 133.084 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, 82.675, 133.084 by changing the saturation by 10% instead.

 77, 82.675,
133.084

 77, 82.675,
133.084

 100, 82.675,
133.084

 67, 82.675,
133.084


 97, 82.675,
133.084

 57, 82.675,
133.084

 47, 82.675,
133.084

 37, 82.675,
133.084

 27, 82.675,
133.084

 17, 82.675,
133.084

 7, 82.675, 133.084

■ 0, 82.675, 133.084

■ 77, 82.675,
133.084

■ 77, 82.675,
133.084

■ 76, 91.176,
132.908

■ 78, 72.485,
133.506

■ 76, 97.458,
133.103

■ 79, 61.133,
134.052

■ 75, 101.374,
133.683

■ 80, 49.041,
134.639

■ 75, 101.788,
133.751

■ 81, 36.524,
135.216

■ 83, 23.811,
135.756

■ 84, 11.064,
136.251

■ 86, 1.597, 316.540

■ 88, 14.090,
317.027

■ 89, 24.384,
319.652

Harmonies

Complementary

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



77, 82.675, 133.084



49, 85.680, 319.102

Rectangle

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



77, 82.675, 133.084



77, 82.675, 183.084



77, 82.675, 313.084



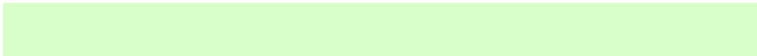
77, 82.675, 3.084

Sweetspot

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



77, 82.675, 133.085



96, 30.790, 135.626



72, 57.929, 85.800



51, 20.843, 135.477



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, 82.675, 133.085



89, 107.391, 132.937



76, 77.024, 143.925



44, 7.197, 136.218



61, 85.911, 133.568



15, 29.784, 135.600

Inverse Universe

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



49, 85.680, 319.102



53, 111.036, 318.994



54, 74.997, 336.051



42, 7.250, 316.994



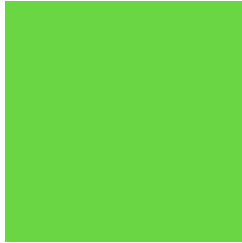
32, 88.232, 318.314



4, 30.895, 317.865

Previews

White Background



This preview shows how the CIELCh color 77, 82.675, 133.084 looks on a white background.

Color Contrast Check

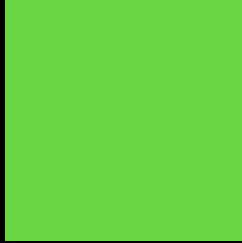
Large Text (above 18pt) WCAG AA × Fail

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, 82.675, 133.084 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, 82.675, 133.084

Background



This preview shows how black text looks on a background with the CIELCh color 77, 82.675, 133.084.

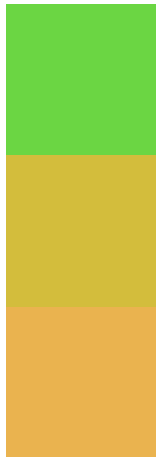


This preview shows how white text looks on a background with the CIELCh color 77, 82.675, 133.084.

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

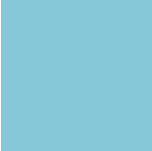
77, 82.675, 133.084

Protanopia

76, 64.772, 95.439

Deuteranopia

76, 58.022, 80.184

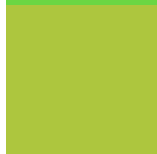


Tritanopia
77, 22.308, 220.868

Trichromacy



Original Color
77, 82.675, 133.084



Protanomaly
76, 67.570, 113.130



Deuteranomaly
75, 59.127, 106.263



Tritanomaly
76, 36.982, 158.208

Monochromacy



Original Color
77, 82.675, 133.084



Achromatopsia
68, 0.008, 296.813



Achromatomaly
70, 32.978, 135.017

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 82.675, 133.084 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(107, 214, 67)` looks like.

```
.text, #text, p{  
    color:rgb(107, 214, 67)  
}
```

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(107, 214, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 214, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 82.675, 133.084 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(107, 214, 67) }
```

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

```
.border{ border-color:rgb(107, 214, 67) }
```

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

Here you see how a box with a 4 pixel rgb(107, 214, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 214, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 214, 67);  
box-shadow:4px 4px 4px 4px rgb(107, 214,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 82.675, 133.084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 214, 67) }
```

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

```
.background{ background-color: rgb(107,  
214, 67) }
```

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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