

Converting Colors

CIELCh(77, 75.210, 127.549)

Have a look what the booklet for
CIELCh(77, 75.210, 127.549)
contains.

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Color

CIELCh(77, 75.204, 127.543)

Conversions

Conversions Part 1

Format	Color
Hex	87D246
RGB	135, 210, 70
RGB Percent	53%, 82%, 27%
CMY	0.4716, 0.1775, 0.7265
CMYK	0.36, 0.00, 0.67, 0.18
HSL	92°, 61%, 55%
HSV	92°, 67%, 82%
XYZ	34.0287, 51.5317, 13.9048
YIQ	171.6150, 0.2400, -59.4400

Conversions

Conversions Part 2

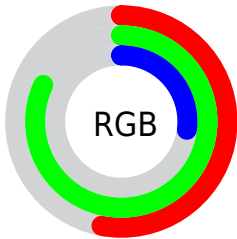
Format	Color
RYB	70, 210, 145
Decimal	8901190
CIELab	77.00, -45.83, 59.63
CIELCh	77, 75.204, 127.543
Yxy	51.5317, 0.3421, 0.5181
Android (android.graphics.Color)	4287091270 (0xFF87D246)
YUV	171.6150, -50.0962, -32.1114
Hunter-Lab	71.7856, -41.0100, 38.7655

Details

The CIELCh color **77, 75.204, 127.543** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **46, 82.318, 313.354**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 68.483, 126.150**, and **57, 74.977, 127.714** is the 20% darker color. If you saturate the color by 10%, you get **76, 83.571, 127.595**, and if you desaturate by 10%, it is **78, 65.419, 127.766**.

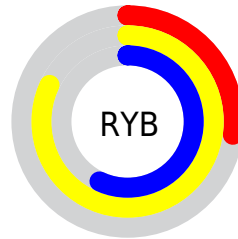
Distribution



Red (53%)

Green (82%)

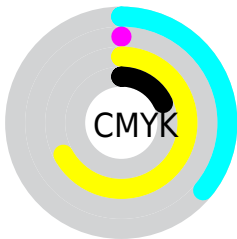
Blue (27%)



Red (27%)

Yellow (82%)

Blue (57%)

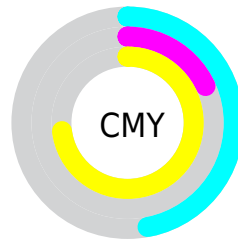


Cyan (36%)

Magenta (0%)

Yellow (67%)

Black (18%)



Cyan (47%)

Magenta (18%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 75.204, 127.543 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, 75.204, 127.543 by changing the saturation by 10% instead.


 77, 75.204,
127.543

 77, 75.204,
127.543


 100, 75.204,
127.543

 67, 75.204,
127.543


 97, 75.204,
127.543

 57, 75.204,
127.543

 47, 75.204,
127.543

 37, 75.204,
127.543

 27, 75.204,
127.543

 17, 75.204,
127.543

 7, 75.204, 127.543

0, 75.204, 127.543

77, 75.204,
127.543

77, 75.204,
127.543

76, 83.571,
127.595

78, 65.419,
127.766

76, 90.013,
128.047

79, 54.683,
128.148

75, 94.240,
128.980

80, 43.355,
128.608

75, 95.352,
129.314

81, 31.686,
129.093

82, 19.854,
129.574

83, 7.980, 130.037

■ 85, 3.849, 310.405

■ 86, 15.572,
310.814

■ 87, 25.433,
312.498

Harmonies

Complementary

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



77, 75.204, 127.543



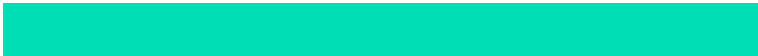
46, 82.318, 313.354

Rectangle

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



77, 75.204, 127.543



77, 75.204, 177.543



77, 75.204, 307.543



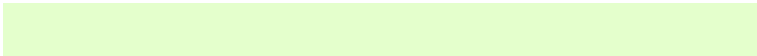
77, 75.204, 357.543

Sweetspot

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



77, 75.205, 127.544



97, 27.787, 129.408



65, 51.602, 70.060



51, 18.954, 129.272



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, 75.205, 127.544



91, 100.241, 127.727



75, 83.473, 139.214



43, 6.701, 129.915



61, 80.735, 129.065



14, 26.476, 130.898

Inverse Universe

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



46, 82.318, 313.354



48, 111.475, 313.493



54, 81.902, 328.742



41, 6.786, 310.703



27, 90.648, 312.820



3, 26.958, 308.881

Previews

White Background



This preview shows how the CIELCh color 77, 75.204, 127.543 looks on a white background.

Color Contrast Check

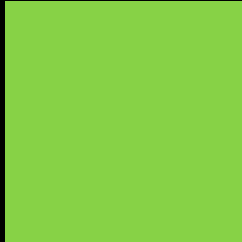
Large Text (above 18pt) WCAG AA × Fail

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, 75.204, 127.543 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, 75.204, 127.543

Background



This preview shows how black text looks on a background with the CIELCh color 77, 75.204, 127.543.



This preview shows how white text looks on a background with the CIELCh color 77, 75.204, 127.543.

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](#).

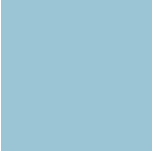
Dichromacy



Original Color
77, 75.204, 127.543

Protanopia
77, 63.647, 95.438

Deuteranopia
77, 57.984, 80.227



Tritanopia
77, 15.899, 231.487

Trichromacy



Original Color
77, 75.204, 127.543

Protanomaly
76, 65.001, 109.121

Deuteranomaly
76, 58.398, 101.225

Tritanomaly
76, 29.593, 149.501

Monochromacy



Original Color
77, 75.204, 127.543

Achromatopsia
70, 0.009, 296.813

Achromatomaly
72, 29.436, 128.843

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 75.204, 127.543 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(135, 210, 70)` looks like.

```
.text, #text, p{  
    color:rgb(135, 210, 70)  
}
```

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(135, 210, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 210, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 75.204, 127.543 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(135, 210, 70) }
```

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

```
.border{ border-color:rgb(135, 210, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 210, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 210, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 210, 70);  
box-shadow:4px 4px 4px 4px rgb(135, 210,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 75.204, 127.543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 210, 70) }
```

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

```
.background{ background-color: rgb(135,  
210, 70) }
```

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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