

Converting Colors

CIELCh(75, 75.220, 127.624)

Have a look what the booklet for
CIELCh(75, 75.220, 127.624)
contains.

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Color

CIELCh(75, 75.213, 127.528)

Conversions

Conversions Part 1

Format	Color
Hex	81CC40
RGB	129, 204, 64
RGB Percent	51%, 80%, 25%
CMY	0.4937, 0.1996, 0.7486
CMYK	0.37, 0.00, 0.69, 0.20
HSL	92°, 58%, 53%
HSV	92°, 69%, 80%
XYZ	31.6124, 48.2781, 12.5175
YIQ	165.6150, 0.2400, -59.4400

Conversions

Conversions Part 2

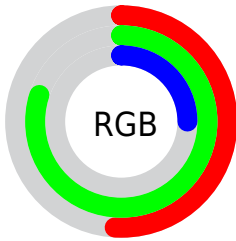
Format	Color
RYB	64, 204, 139
Decimal	8506432
CIELab	75.00, -45.82, 59.65
CIELCh	75, 75.213, 127.528
Yxy	48.2781, 0.3421, 0.5224
Android (android.graphics.Color)	4286696512 (0xFF81CC40)
YUV	165.6150, -50.0962, -32.1114
Hunter-Lab	69.4824, -40.3822, 37.9564

Details

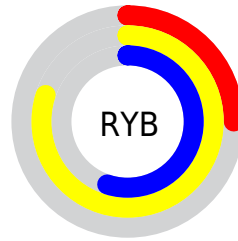
The CIELCh color **75, 75.213, 127.528** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **44, 82.510, 313.396**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 71.824, 126.876**, and **55, 73.265, 128.312** is the 20% darker color. If you saturate the color by 10%, you get **74, 83.107, 127.639**, and if you desaturate by 10%, it is **76, 65.848, 127.713**.

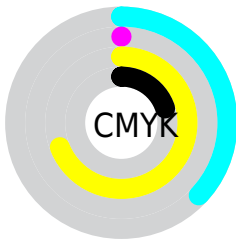
Distribution



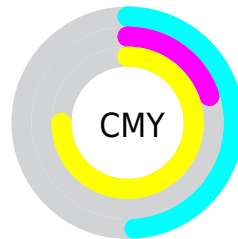
- Red (51%)
- Green (80%)
- Blue (25%)



- Red (25%)
- Yellow (80%)
- Blue (55%)



- Cyan (37%)
- Magenta (0%)
- Yellow (69%)
- Black (20%)





- Cyan (49%)
- Magenta (20%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 75.213, 127.528 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 75, 75.213, 127.528 by changing the saturation by 10% instead.


 75, 75.213,
127.528


 75, 75.213,
127.528


 100, 75.213,
127.528


 65, 75.213,
127.528


 95, 75.213,
127.528

 55, 75.213,
127.528

 45, 75.213,
127.528

 35, 75.213,
127.528

 25, 75.213,
127.528

 15, 75.213,
127.528

 5, 75.213, 127.528

■ 0, 75.213, 127.528

■ 75, 75.213,
127.528

■ 75, 75.213,
127.528

■ 74, 83.107,
127.639

■ 76, 65.848,
127.713

■ 74, 89.047,
128.171

■ 77, 55.482,
128.073

■ 73, 92.917,
129.148

■ 78, 44.484,
128.522

■ 73, 93.397,
129.285

■ 79, 33.116,
129.005

■ 80, 21.562,
129.487

■ 81, 9.948, 129.952

■ 82, 1.635, 310.284

■ 84, 13.124,
310.744

■ 85, 24.474,
311.100

Harmonies

Complementary

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



75, 75.213, 127.528



44, 82.510, 313.396

Rectangle

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



75, 75.213, 127.528



75, 75.213, 177.528



75, 75.213, 307.528



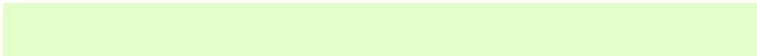
75, 75.213, 357.528

Sweetspot

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



75, 75.214, 127.529



97, 29.175, 129.359



63, 51.940, 69.798



51, 19.741, 129.225



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 75.214, 127.529



91, 101.745, 127.818



73, 83.377, 139.007



42, 6.566, 129.915



61, 79.814, 129.046



13, 24.842, 131.720

Inverse Universe

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



44, 82.510, 313.396



48, 113.343, 313.464



53, 81.662, 328.805



40, 6.649, 310.702



26, 89.623, 312.833



3, 24.725, 308.005

Previews

White Background



This preview shows how the CIELCh color 75, 75.213, 127.528 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 75, 75.213, 127.528 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 75, 75.213, 127.528

Background



This preview shows how black text looks on a background with the CIELCh color 75, 75.213, 127.528.

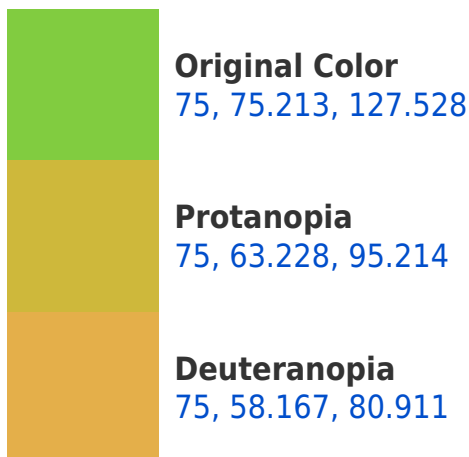


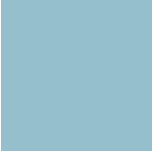
This preview shows how white text looks on a background with the CIELCh color 75, 75.213, 127.528.

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
75, 15.705, 229.762

Trichromacy



Original Color
75, 75.213, 127.528



Protanomaly
74, 64.569, 109.093



Deuteranomaly
74, 58.814, 101.929

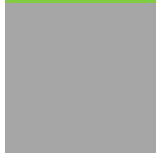


Tritanomaly
75, 30.383, 149.251

Monochromacy



Original Color
75, 75.213, 127.528



Achromatopsia
68, 0.008, 296.813



Achromatomaly
70, 29.581, 128.809

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 75.213, 127.528 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(129, 204, 64)` looks like.

```
.text, #text, p{  
    color:rgb(129, 204, 64)  
}
```

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(129, 204, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 204, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 75.213, 127.528 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(129, 204, 64) }
```

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

```
.border{ border-color:rgb(129, 204, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 204, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 204, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 204, 64);  
box-shadow:4px 4px 4px 4px rgb(129, 204,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 75.213, 127.528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 204, 64) }
```

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

```
.background{ background-color: rgb(129,  
204, 64) }
```

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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