

Converting Colors

CIELCh(77, 63.476, 146.445)

Have a look what the booklet for
CIELCh(77, 63.476, 146.445)
contains.

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Color

CIELCh(77, 63.470, 146.446)

Conversions

Conversions Part 1

Format	Color
Hex	5ED57A
RGB	94, 213, 122
RGB Percent	37%, 84%, 48%
CMY	0.6302, 0.1636, 0.5206
CMYK	0.56, 0.00, 0.43, 0.16
HSL	134°, 59%, 60%
HSV	134°, 56%, 84%
XYZ	32.0367, 51.5317, 26.7512
YIQ	167.0450, -41.7130, -53.5290

Conversions

Conversions Part 2

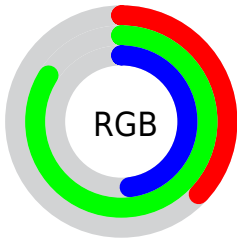
Format	Color
RYB	94, 190, 213
Decimal	6215034
CIELab	77.00, -52.89, 35.08
CIELCh	77, 63.470, 146.446
Yxy	51.5317, 0.2904, 0.4671
Android (android.graphics.Color)	4284405114 (0xFF5ED57A)
YUV	167.0450, -22.2072, -64.0605
Hunter-Lab	71.7856, -45.9633, 28.1552

Details

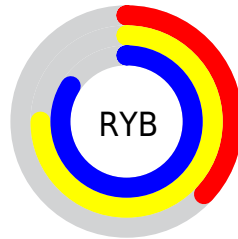
The CIELCh color **77, 63.470, 146.446** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **58, 63.173, 335.773**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 54.515, 147.706**, and **57, 63.123, 146.587** is the 20% darker color. If you saturate the color by 10%, you get **76, 73.174, 144.979**, and if you desaturate by 10%, it is **78, 52.908, 147.741**.

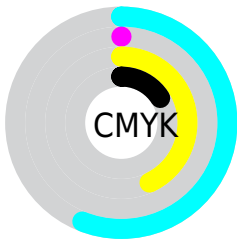
Distribution



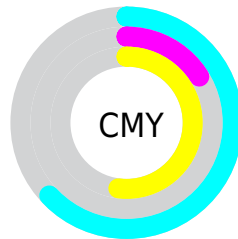
- Red (37%)
- Green (84%)
- Blue (48%)



- Red (37%)
- Yellow (75%)
- Blue (84%)



- Cyan (56%)
- Magenta (0%)
- Yellow (43%)
- Black (16%)




- Cyan (63%)
- Magenta (16%)
- Yellow (52%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 63.470, 146.446 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, 63.470, 146.446 by changing the saturation by 10% instead.

 77, 63.470,
146.446

 77, 63.470,
146.446

 100, 63.470,
146.446

 67, 63.470,
146.446

 97, 63.470,
146.446

 57, 63.470,
146.446

 47, 63.470,
146.446

 37, 63.470,
146.446

 27, 63.470,
146.446

 17, 63.470,
146.446

 7, 63.470, 146.446

0, 63.470, 146.446

77, 63.470,
146.446

77, 63.470,
146.446

76, 73.174,
144.979

78, 52.908,
147.741

76, 81.781,
143.355

79, 41.734,
148.870

75, 89.085,
141.619

81, 30.181,
149.848

75, 94.933,
139.858

82, 18.457,
150.696

75, 97.004,
139.186

84, 6.730, 151.455

86, 4.869, 331.969

88, 16.244,

332.568

■ 90, 25.217,
326.819

■ 90, 26.145,
325.335

Harmonies

Complementary

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



77, 63.470, 146.446



58, 63.173, 335.773

Rectangle

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



77, 63.470, 146.446



77, 63.470, 196.446



77, 63.470, 326.446



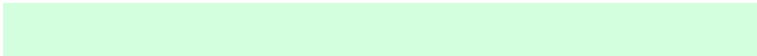
77, 63.470, 16.446

Sweetspot

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



77, 63.471, 146.446



96, 22.981, 150.585



81, 60.821, 115.855



51, 15.378, 150.419



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, 63.471, 146.446



89, 85.705, 144.683



78, 41.464, 172.206



44, 6.637, 151.184



61, 81.680, 139.469



14, 28.470, 145.299

Inverse Universe

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



58, 63.173, 335.773



64, 83.748, 336.810



56, 50.135, 6.497



42, 6.662, 332.356



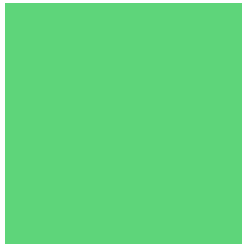
38, 71.528, 340.277



6, 27.724, 337.589

Previews

White Background



This preview shows how the CIELCh color 77, 63.470, 146.446 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, 63.470, 146.446 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, 63.470, 146.446

Background



This preview shows how black text looks on a background with the CIELCh color 77, 63.470, 146.446.

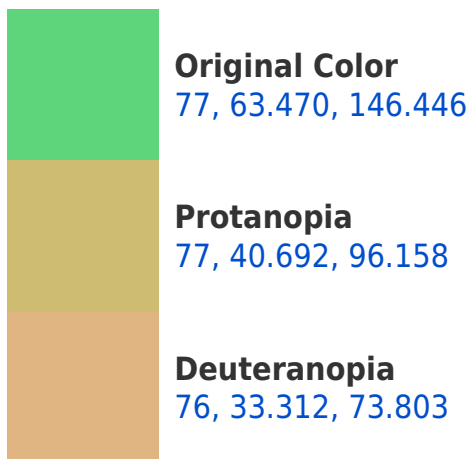


This preview shows how white text looks on a background with the CIELCh color 77, 63.470, 146.446.

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
77, 26.387, 216.902

Trichromacy



Original Color
77, 63.470, 146.446



Protanomaly
76, 44.927, 123.515



Deuteranomaly
75, 35.456, 117.458



Tritanomaly
77, 34.017, 175.505

Monochromacy



Original Color
77, 63.470, 146.446



Achromatopsia
68, 0.008, 296.813



Achromatomaly
71, 24.301, 149.997

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 63.470, 146.446 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(94, 213, 122)` looks like.

```
.text, #text, p{  
    color:rgb(94, 213, 122)  
}
```

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(94, 213, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 213, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 63.470, 146.446 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(94, 213, 122) }
```

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

```
.border{ border-color:rgb(94, 213, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 213, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 213, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 213, 122);  
box-shadow:4px 4px 4px 4px rgb(94, 213,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 63.470, 146.446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 213, 122) }
```

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

```
.background{ background-color: rgb(94, 213,  
122) }
```

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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