

Converting Colors

CIELCh(77, 69.829, 142.608)

Have a look what the booklet for
CIELCh(77, 69.829, 142.608)
contains.

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Color

CIELCh(77, 70.000, 142.491)

Conversions

Conversions Part 1

Format	Color
Hex	5ED66B
RGB	94, 214, 107
RGB Percent	37%, 84%, 42%
CMY	0.6314, 0.1608, 0.5804
CMYK	0.56, 0.00, 0.50, 0.16
HSL	127°, 59%, 60%
HSV	127°, 56%, 84%
XYZ	31.3146, 51.5317, 22.2051
YIQ	165.9220, -37.1730, -58.7170

Conversions

Conversions Part 2

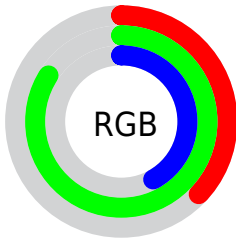
Format	Color
RYB	94, 202, 214
Decimal	6215275
CIELab	77.00, -55.53, 42.62
CIELCh	77, 70.000, 142.491
Yxy	51.5317, 0.2981, 0.4905
Android (android.graphics.Color)	4284405355 (0xFF5ED66B)
YUV	165.9220, -29.0485, -63.0756
Hunter-Lab	71.7856, -47.7589, 31.9101

Details

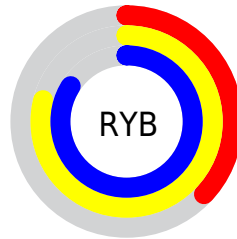
The CIELCh color **77, 70.000, 142.491** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **59, 69.236, 330.807**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 60.568, 143.191**, and **57, 69.919, 142.508** is the 20% darker color. If you saturate the color by 10%, you get **76, 80.396, 141.165**, and if you desaturate by 10%, it is **78, 58.504, 143.700**.

Distribution



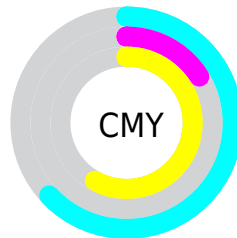
- Red (37%)
- Green (84%)
- Blue (42%)



- Red (37%)
- Yellow (79%)
- Blue (84%)



- Cyan (56%)
- Magenta (0%)
- Yellow (50%)
- Black (16%)





- Cyan (63%)
- Magenta (16%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 70.000, 142.491 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, 70.000, 142.491 by changing the saturation by 10% instead.


 77, 70.000,
142.491


 77, 70.000,
142.491


 100, 70.000,
142.491


 67, 70.000,
142.491


 97, 70.000,
142.491

 57, 70.000,
142.491

 47, 70.000,
142.491

 37, 70.000,
142.491

 27, 70.000,
142.491

 17, 70.000,
142.491

 7, 70.000, 142.491

0, 70.000, 142.491

77, 70.000,
142.491

77, 70.000,
142.491

76, 80.396,
141.165

78, 58.504,
143.700

76, 89.317,
139.777

79, 46.253,
144.769

75, 96.393,
138.426

81, 33.550,
145.698

75, 101.320,
137.247

82, 20.651,
146.498

75, 102.695,
136.905

84, 7.758, 147.202

86, 4.979, 327.684

89, 17.453,

328.224

90, 25.689,
325.319

Harmonies

Complementary

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



77, 70.000, 142.491



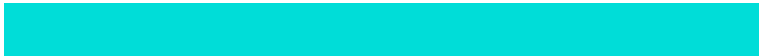
59, 69.236, 330.807

Rectangle

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



77, 70.000, 142.491



77, 70.000, 192.491



77, 70.000, 322.491



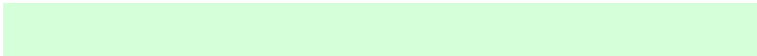
77, 70.000, 12.491

Sweetspot

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



77, 70.001, 142.491



96, 25.184, 146.416



83, 60.280, 109.720



51, 16.855, 146.261



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, 70.001, 142.491



89, 93.511, 140.946



78, 47.011, 163.072



44, 7.270, 146.973



61, 86.468, 137.078



14, 30.432, 142.905

Inverse Universe

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



59, 69.236, 330.807



65, 91.155, 331.443



56, 52.087, 356.728



42, 7.285, 328.049



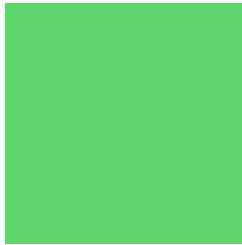
39, 78.670, 333.046



6, 30.443, 331.902

Previews

White Background



This preview shows how the CIELCh color 77, 70.000, 142.491 looks on a white background.

Color Contrast Check

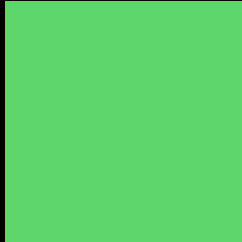
Large Text (above 18pt) WCAG AA × Fail

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, 70.000, 142.491 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, 70.000, 142.491

Background



This preview shows how black text looks on a background with the CIELCh color 77, 70.000, 142.491.



This preview shows how white text looks on a background with the CIELCh color 77, 70.000, 142.491.

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, 70.000, 142.491

Protanopia
76, 48.165, 95.863

Deuteranopia
76, 40.757, 76.449



Tritanopia
77, 25.926, 217.284

Trichromacy



Original Color
77, 70.000, 142.491



Protanomaly
76, 51.724, 119.861



Deuteranomaly
75, 42.268, 113.544



Tritanomaly
77, 35.211, 171.449

Monochromacy



Original Color
77, 70.000, 142.491



Achromatopsia
68, 0.008, 296.813



Achromatomaly
71, 26.470, 146.174

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 70.000, 142.491 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, 214, 107)` looks like.

```
.text, #text, p{  
    color:rgb(94, 214, 107)  
}
```

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, 214, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 214, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 70.000, 142.491 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, 214, 107) }
```

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

```
.border{ border-color:rgb(94, 214, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 214, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 214, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 214, 107);  
box-shadow:4px 4px 4px 4px rgb(94, 214,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 70.000, 142.491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 214, 107) }
```

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

```
.background{ background-color: rgb(94, 214,  
107) }
```

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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