

Converting Colors

CIELCh(77, 70.609, 145.828)

Have a look what the booklet for
CIELCh(77, 70.609, 145.828)
contains.

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Color

CIELCh(77, 70.469, 145.867)

Conversions

Conversions Part 1

Format	Color
Hex	4FD771
RGB	79, 215, 113
RGB Percent	31%, 84%, 44%
CMY	0.6896, 0.1563, 0.5564
CMYK	0.63, 0.00, 0.47, 0.16
HSL	135°, 63%, 58%
HSV	135°, 63%, 84%
XYZ	30.5586, 51.5317, 23.9944
YIQ	162.7080, -48.3140, -60.5540

Conversions

Conversions Part 2

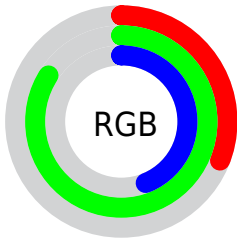
Format	Color
RYB	79, 188, 215
Decimal	5232497
CIELab	77.00, -58.33, 39.54
CIElCh	77, 70.469, 145.867
Yxy	51.5317, 0.2881, 0.4858
Android (android.graphics.Color)	4283422577 (0xFF4FD771)
YUV	162.7080, -24.5060, -73.4119
Hunter-Lab	71.7856, -49.6388, 30.4322

Details

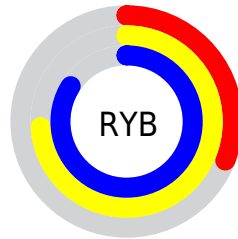
The CIELCh color **77, 70.469, 145.867** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **56, 69.533, 337.094**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 60.468, 147.281**, and **57, 69.023, 144.529** is the 20% darker color. If you saturate the color by 10%, you get **76, 79.361, 144.261**, and if you desaturate by 10%, it is **78, 60.559, 147.303**.

Distribution



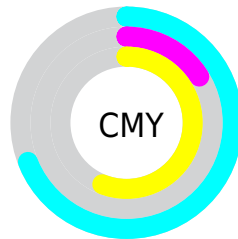
- Red (31%)
- Green (84%)
- Blue (44%)



- Red (31%)
- Yellow (74%)
- Blue (84%)



- Cyan (63%)
- Magenta (0%)
- Yellow (47%)
- Black (16%)





- Cyan (69%)
- Magenta (16%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 70.469, 145.867 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, 70.469, 145.867 by changing the saturation by 10% instead.


 77, 70.469,
145.867

 77, 70.469,
145.867


 100, 70.469,
145.867


 67, 70.469,
145.867


 97, 70.469,
145.867

 57, 70.469,
145.867

 47, 70.469,
145.867

 37, 70.469,
145.867

 27, 70.469,
145.867

 17, 70.469,
145.867

 7, 70.469, 145.867

■ 0, 70.469, 145.867

■ 77, 70.469,
145.867

■ 77, 70.469,
145.867

■ 76, 79.361,
144.261

■ 78, 60.559,
147.303

■ 76, 87.028,
142.518

■ 79, 49.862,
148.564

■ 76, 93.317,
140.706

■ 80, 38.619,
149.660

■ 75, 96.825,
139.542

■ 82, 27.054,
150.610

■ 83, 15.363,
151.438

■ 85, 3.704, 152.217

■ 87, 7.803, 332.699

■ 90, 19.071,
333.266

■ 90, 24.974,
325.294

Harmonies

Complementary

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



77, 70.469, 145.867



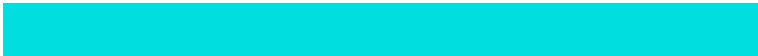
56, 69.533, 337.094

Rectangle

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



77, 70.469, 145.867



77, 70.469, 195.867



77, 70.469, 325.867



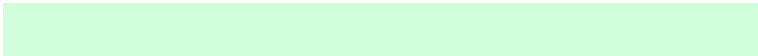
77, 70.469, 15.867

Sweetspot

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



77, 70.470, 145.867



96, 25.416, 150.956



81, 68.144, 115.571



51, 17.498, 150.710



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, 70.470, 145.867



89, 93.469, 143.660



78, 45.932, 171.128



44, 6.566, 151.727



61, 80.963, 139.845



14, 28.239, 145.610

Inverse Universe

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



56, 69.533, 337.094



61, 89.346, 338.454



53, 56.782, 8.490



42, 6.592, 332.913



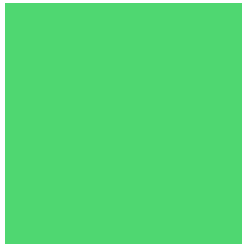
38, 70.786, 341.250



6, 27.428, 338.350

Previews

White Background



This preview shows how the CIELCh color 77, 70.469, 145.867 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, 70.469, 145.867 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, 70.469, 145.867

Background



This preview shows how black text looks on a background with the CIELCh color 77, 70.469, 145.867.

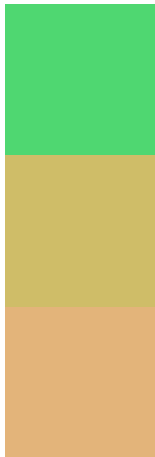


This preview shows how white text looks on a background with the CIELCh color 77, 70.469, 145.867.

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](#).

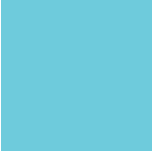
Dichromacy



Original Color
77, 70.469, 145.867

Protanopia
76, 45.198, 96.110

Deuteranopia
76, 37.300, 74.755



Tritanopia
77, 28.675, 216.323

Trichromacy



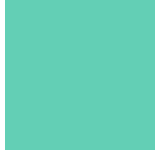
Original Color
77, 70.469, 145.867



Protanomaly
76, 50.225, 123.703



Deuteranomaly
75, 39.788, 118.371



Tritanomaly
76, 37.541, 174.712

Monochromacy



Original Color
77, 70.469, 145.867



Achromatopsia
67, 0.008, 296.813



Achromatomaly
70, 27.488, 150.123

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 70.469, 145.867 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(79, 215, 113)` looks like.

```
.text, #text, p{  
    color:rgb(79, 215, 113)  
}
```

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(79, 215, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 215, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 70.469, 145.867 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(79, 215, 113) }
```

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

```
.border{ border-color:rgb(79, 215, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 215, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 215, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 215, 113);  
box-shadow:4px 4px 4px 4px rgb(79, 215,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 70.469, 145.867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 215, 113) }
```

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

```
.background{ background-color: rgb(79, 215,  
113) }
```

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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