

Converting Colors

CIELCh(76, 73.095, 142.272)

Have a look what the booklet for
CIELCh(76, 73.095, 142.272)
contains.

CIELCh(76, 73.095, 142.272)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(76, 73.095, 142.272)

Conversions

Conversions Part 1

Format	Color
Hex	55D464
RGB	85, 212, 100
RGB Percent	33%, 83%, 39%
CMY	0.6671, 0.1690, 0.6081
CMYK	0.60, 0.00, 0.53, 0.17
HSL	127°, 60%, 58%
HSV	127°, 60%, 83%
XYZ	29.5546, 49.8872, 20.1076
YIQ	161.2590, -39.7400, -61.7560

Conversions

Conversions Part 2

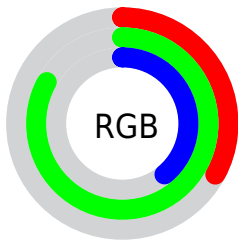
Format	Color
RYB	85, 199, 212
Decimal	5624932
CIELab	76.00, -57.81, 44.73
CIELCh	76, 73.095, 142.272
Yxy	49.8872, 0.2969, 0.5011
Android (android.graphics.Color)	4283815012 (0xFF55D464)
YUV	161.2590, -30.2007, -66.8791
Hunter-Lab	70.6309, -48.9132, 32.5626

Details

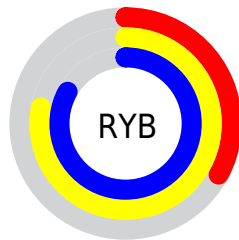
The CIELCh color **76, 73.095, 142.272** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **57, 72.008, 331.381**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 64.729, 142.775**, and **56, 72.258, 141.867** is the 20% darker color. If you saturate the color by 10%, you get **75, 82.864, 140.897**, and if you desaturate by 10%, it is **77, 62.125, 143.540**.

Distribution



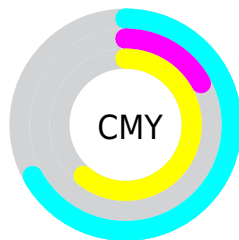
- Red (33%)
- Green (83%)
- Blue (39%)



- Red (33%)
- Yellow (78%)
- Blue (83%)



- Cyan (60%)
- Magenta (0%)
- Yellow (53%)
- Black (17%)





- Cyan (67%)
- Magenta (17%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 73.095, 142.272 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 76, 73.095, 142.272 by changing the saturation by 10% instead.


 76, 73.095,
142.272


 76, 73.095,
142.272


 100, 73.095,
142.272


 66, 73.095,
142.272


 96, 73.095,
142.272

 56, 73.095,
142.272

 46, 73.095,
142.272

 36, 73.095,
142.272

 26, 73.095,
142.272

 16, 73.095,
142.272

 6, 73.095, 142.272

0, 73.095, 142.272

76, 73.095,
142.272

76, 73.095,
142.272

75, 82.864,
140.897

77, 62.125,
143.540

75, 91.070,
139.482

78, 50.295,
144.668

74, 97.375,
138.135

79, 37.917,
145.653

74, 101.601,
137.041

81, 25.258,
146.504

74, 101.622,
137.036

83, 12.534,
147.241

85, 0.088, 324.441

■ 87, 12.488,
328.344

■ 89, 24.585,
328.811

■ 90, 27.002,
325.365

Harmonies

Complementary

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



76, 73.095, 142.272



57, 72.008, 331.381

Rectangle

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



76, 73.095, 142.272



76, 73.095, 192.272



76, 73.095, 322.272



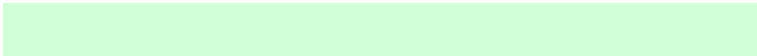
76, 73.095, 12.272

Sweetspot

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



76, 73.096, 142.272



96, 26.488, 146.640



82, 63.418, 110.284



51, 18.418, 146.409



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 73.096, 142.272



89, 98.148, 140.498



77, 48.542, 163.509



44, 7.219, 147.276



61, 86.189, 137.213



14, 30.276, 143.080

Inverse Universe

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



57, 72.008, 331.381



63, 94.779, 332.104



54, 54.528, 358.759



42, 7.235, 328.358



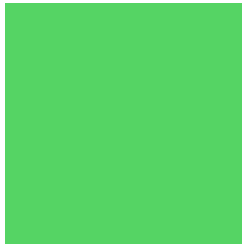
39, 78.067, 333.545



6, 30.220, 332.298

Previews

White Background



This preview shows how the CIELCh color 76, 73.095, 142.272 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 76, 73.095, 142.272 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 76, 73.095, 142.272

Background



This preview shows how black text looks on a background with the CIELCh color 76, 73.095, 142.272.

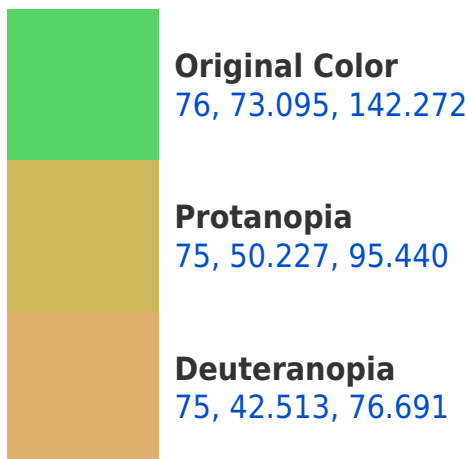


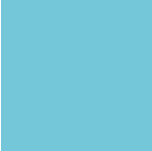
This preview shows how white text looks on a background with the CIELCh color 76, 73.095, 142.272.

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
76, 26.689, 217.958

Trichromacy



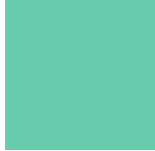
Original Color
76, 73.095, 142.272



Protanomaly
75, 53.861, 120.036



Deuteranomaly
74, 44.412, 114.088



Tritanomaly
76, 36.985, 170.696

Monochromacy



Original Color
76, 73.095, 142.272



Achromatopsia
66, 0.008, 296.813



Achromatomaly
69, 28.787, 146.304

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 73.095, 142.272 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(85, 212, 100)` looks like.

```
.text, #text, p{  
    color:rgb(85, 212, 100)  
}
```

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(85, 212, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 212, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 73.095, 142.272 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(85, 212, 100) }
```

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

```
.border{ border-color:rgb(85, 212, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 212, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 212, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 212, 100);  
box-shadow:4px 4px 4px 4px rgb(85, 212,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 73.095, 142.272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 212, 100) }
```

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

```
.background{ background-color: rgb(85, 212,  
100) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor