

Converting Colors

CIELCh(74, 79.007, 135.495)

Have a look what the booklet for
CIELCh(74, 79.007, 135.495)
contains.

CIELCh(74, 78.900, 135.544)	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(74, 78.900, 135.544)

Conversions

Conversions Part 1

Format	Color
Hex	5ECD47
RGB	94, 205, 71
RGB Percent	37%, 80%, 28%
CMY	0.6298, 0.1946, 0.7201
CMYK	0.54, 0.00, 0.65, 0.19
HSL	110°, 57%, 54%
HSV	110°, 65%, 81%
XYZ	27.7283, 46.7039, 13.5753
YIQ	156.5350, -23.1420, -65.2060

Conversions

Conversions Part 2

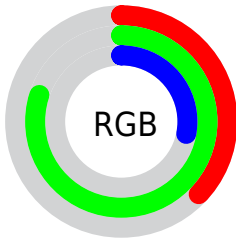
Format	Color
RYB	71, 205, 182
Decimal	6212935
CIELab	74.00, -56.32, 55.26
CIELCh	74, 78.900, 135.544
Yxy	46.7039, 0.3151, 0.5307
Android (android.graphics.Color)	4284403015 (0xFF5ECD47)
YUV	156.5350, -42.1688, -54.8432
Hunter-Lab	68.3403, -47.1711, 36.0607

Details

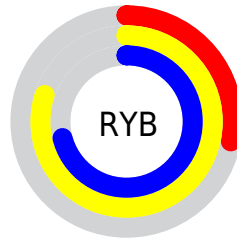
The CIELCh color **74, 78.900, 135.544** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **51, 79.917, 322.182**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 74.740, 135.401**, and **54, 79.049, 135.541** is the 20% darker color. If you saturate the color by 10%, you get **73, 87.830, 135.020**, and if you desaturate by 10%, it is **75, 68.409, 136.222**.

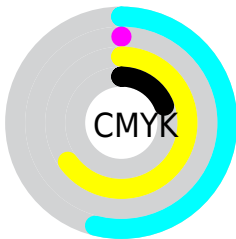
Distribution



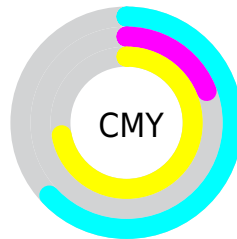
- Red (37%)
- Green (80%)
- Blue (28%)



- Red (28%)
- Yellow (80%)
- Blue (71%)



- Cyan (54%)
- Magenta (0%)
- Yellow (65%)
- Black (19%)



- Cyan (63%)
- Magenta (19%)
- Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 78.900, 135.544 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 74, 78.900, 135.544 by changing the saturation by 10% instead.


 74, 78.900,
135.544

 74, 78.900,
135.544


 100, 78.900,
135.544


 64, 78.900,
135.544


 94, 78.900,
135.544

 54, 78.900,
135.544

 44, 78.900,
135.544

 34, 78.900,
135.544

 24, 78.900,
135.544

 14, 78.900,
135.544

 4, 78.900, 135.544

■ 0, 78.900, 135.544

■ 74, 78.900,
135.544

■ 74, 78.900,
135.544

■ 73, 87.830,
135.020

■ 75, 68.409,
136.222

■ 73, 94.652,
134.778

■ 76, 56.853,
136.948

■ 72, 98.975,
134.917

■ 77, 44.632,
137.656

■ 72, 100.388,
135.022

■ 78, 32.045,
138.312

■ 80, 19.318,
138.901

■ 82, 6.614, 139.436

■ 83, 5.949, 319.809

■ 85, 18.288,
320.215

■ 87, 29.810,
321.132

Harmonies

Complementary

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



74, 78.900, 135.544



51, 79.917, 322.182

Rectangle

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



74, 78.900, 135.544



74, 78.900, 185.544



74, 78.900, 315.544



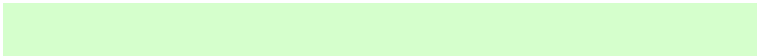
74, 78.900, 5.544

Sweetspot

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



74, 78.900, 135.545



96, 30.237, 138.615



74, 57.231, 93.684



51, 20.637, 138.445



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



74, 78.900, 135.545



89, 106.707, 134.890



74, 66.193, 147.970



42, 7.124, 139.217



59, 85.453, 134.893



12, 27.266, 139.449

Inverse Universe

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



51, 79.917, 322.182



57, 107.361, 322.251



52, 65.722, 340.613



40, 7.159, 320.048



34, 84.957, 321.751



4, 27.266, 320.615

Previews

White Background



This preview shows how the CIELCh color 74, 78.900, 135.544 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 74, 78.900, 135.544 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 74, 78.900, 135.544

Background



This preview shows how black text looks on a background with the CIELCh color 74, 78.900, 135.544.

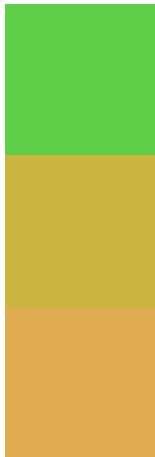


This preview shows how white text looks on a background with the CIELCh color 74, 78.900, 135.544.

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

74, 78.900, 135.544

Protanopia

74, 59.628, 95.383

Deuteranopia

73, 53.153, 80.092



Tritanopia
74, 23.311, 219.917

Trichromacy



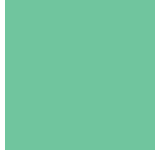
Original Color
74, 78.900, 135.544



Protanomaly
73, 62.756, 114.911



Deuteranomaly
72, 54.561, 108.493



Tritanomaly
73, 36.649, 161.522

Monochromacy



Original Color
74, 78.900, 135.544



Achromatopsia
65, 0.008, 296.813



Achromatomaly
67, 31.273, 138.396

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 78.900, 135.544 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, 205, 71)` looks like.

```
.text, #text, p{  
    color:rgb(94, 205, 71)  
}
```

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, 205, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 205, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 78.900, 135.544 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, 205, 71) }
```

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

```
.border{ border-color:rgb(94, 205, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 205, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 205, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 205, 71);  
box-shadow:4px 4px 4px 4px rgb(94, 205,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 78.900, 135.544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 205, 71) }
```

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

```
.background{ background-color: rgb(94, 205,  
71) }
```

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