

Converting Colors

CIELCh(77, 86.918, 134.126)

Have a look what the booklet for
CIELCh(77, 86.918, 134.126)
contains.

CIELCh(77, 86.876, 134.170)	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(77, 86.876, 134.170)

Conversions

Conversions Part 1

Format	Color
Hex	5FD73D
RGB	95, 215, 61
RGB Percent	37%, 84%, 24%
CMY	0.6263, 0.1558, 0.7596
CMYK	0.56, 0.00, 0.72, 0.16
HSL	107°, 66%, 54%
HSV	107°, 72%, 84%
XYZ	29.9723, 51.5317, 12.8221
YIQ	161.5640, -22.0860, -73.3340

Conversions

Conversions Part 2

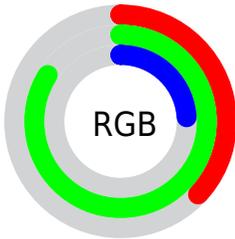
Format	Color
RYB	61, 215, 181
Decimal	6281021
CIELab	77.00, -60.53, 62.31
CIELCh	77, 86.876, 134.170
Yxy	51.5317, 0.3178, 0.5463
Android (android.graphics.Color)	4284471101 (0xFF5FD73D)
YUV	161.5640, -49.5781, -58.3766
Hunter-Lab	71.7856, -51.0965, 39.6598

Details

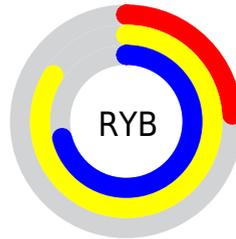
The CIELCh color **77, 86.876, 134.170** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **50, 88.802, 320.707**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 77.379, 133.430**, and **57, 83.709, 135.637** is the 20% darker color. If you saturate the color by 10%, you get **76, 94.838, 133.956**, and if you desaturate by 10%, it is **78, 76.990, 134.646**.

Distribution



- Red (37%)
- Green (84%)
- Blue (24%)



- Red (24%)
- Yellow (84%)
- Blue (71%)



- Cyan (56%)
- Magenta (0%)
- Yellow (72%)
- Black (16%)



- Cyan (63%)
- Magenta (16%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 86.876, 134.170 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, 86.876, 134.170 by changing the saturation by 10% instead.

 77, 86.876,
134.170

 77, 86.876,
134.170

 100, 86.876,
134.170

 67, 86.876,
134.170

 97, 86.876,
134.170

 57, 86.876,
134.170

 47, 86.876,
134.170

 37, 86.876,
134.170

 27, 86.876,
134.170

 17, 86.876,
134.170

 7, 86.876, 134.170

■ 0, 86.876, 134.170

■ 77, 86.876,
134.170

■ 77, 86.876,
134.170

■ 76, 94.838,
133.956

■ 78, 76.990,
134.646

■ 76, 100.376,
134.120

■ 79, 65.736,
135.255

■ 76, 103.277,
134.493

■ 80, 53.587,
135.907

■ 81, 40.902,
136.542

■ 82, 27.949,
137.132

■ 84, 14.922,
137.667

■ 86, 1.961, 138.227

■ 88, 10.833,
318.502

■ 90, 23.371,
318.887

Harmonies

Complementary

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



77, 86.876, 134.170



50, 88.802, 320.707

Rectangle

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



77, 86.876, 134.170



77, 86.876, 184.170



77, 86.876, 314.170



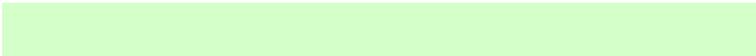
77, 86.876, 4.170

Sweetspot

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



77, 86.876, 134.171



96, 31.273, 137.151



74, 62.058, 89.266



51, 21.172, 136.992



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



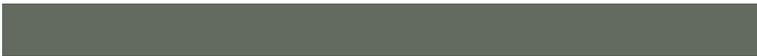
77, 86.876, 134.171



89, 111.466, 133.990



77, 77.009, 145.107



44, 7.307, 137.774



61, 86.750, 134.332



14, 30.195, 136.682

Inverse Universe

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



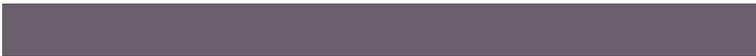
50, 88.802, 320.707



54, 113.141, 320.504



53, 74.818, 338.756



42, 7.351, 318.574



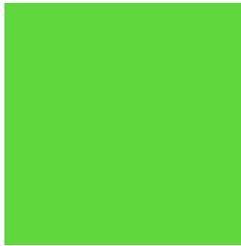
34, 87.495, 320.022



5, 31.339, 319.893

Previews

White Background



This preview shows how the CIELCh color 77, 86.876, 134.170 looks on a white background.

Color Contrast Check

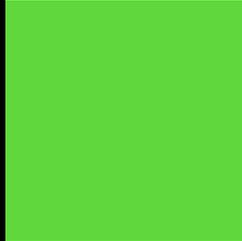
Large Text (above 18pt) WCAG AA × Fail

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, 86.876, 134.170 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, 86.876, 134.170

Background



This preview shows how black text looks on a background with the CIELCh color 77, 86.876, 134.170.



This preview shows how white text looks on a background with the CIELCh color 77, 86.876, 134.170.

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, 86.876, 134.170

Protanopia
76, 66.999, 95.120

Deuteranopia
76, 59.897, 80.303



Tritanopia
77, 24.510, 218.564

Trichromacy



Original Color
77, 86.876, 134.170



Protanomaly
76, 70.020, 114.041



Deuteranomaly
75, 61.276, 107.633



Tritanomaly
76, 40.383, 158.894

Monochromacy



Original Color
77, 86.876, 134.170



Achromatopsia
67, 0.008, 296.813



Achromatomaly
69, 34.742, 136.278

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 86.876, 134.170 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(95, 215, 61)` looks like.

```
.text, #text, p{  
    color:rgb(95, 215, 61)  
}
```

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(95, 215, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 215, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 86.876, 134.170 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(95, 215, 61) }
```

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

```
.border{ border-color:rgb(95, 215, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 215, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 215, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 215, 61);  
box-shadow:4px 4px 4px 4px rgb(95, 215,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 86.876, 134.170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 215, 61) }
```

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

```
.background{ background-color: rgb(95, 215,  
61) }
```

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