

Converting Colors

CIELCh(75, 86.882, 133.070)

Have a look what the booklet for
CIELCh(75, 86.882, 133.070)
contains.

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Color

CIELCh(75, 86.841, 133.041)

Conversions

Conversions Part 1

Format	Color
Hex	5ED134
RGB	94, 209, 52
RGB Percent	37%, 82%, 20%
CMY	0.6310, 0.1800, 0.7957
CMYK	0.55, 0.00, 0.75, 0.18
HSL	104°, 63%, 51%
HSV	104°, 75%, 82%
XYZ	28.0702, 48.2781, 11.0993
YIQ	156.7170, -18.1430, -73.2070

Conversions

Conversions Part 2

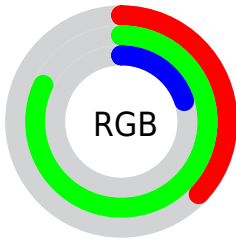
Format	Color
RYB	52, 209, 167
Decimal	6213940
CIELab	75.00, -59.27, 63.47
CIELCh	75, 86.841, 133.041
Yxy	48.2781, 0.3210, 0.5521
Android (android.graphics.Color)	4284404020 (0xFF5ED134)
YUV	156.7170, -51.6255, -55.0028
Hunter-Lab	69.4824, -49.4821, 39.1666

Details

The CIELCh color **75, 86.841, 133.041** 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 **46, 89.840, 319.251**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 80.619, 132.371**, and **55, 81.341, 135.604** is the 20% darker color. If you saturate the color by 10%, you get **74, 93.882, 133.072**, and if you desaturate by 10%, it is **76, 77.802, 133.335**.

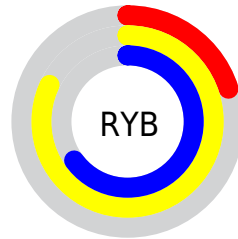
Distribution



Red (37%)

Green (82%)

Blue (20%)



Red (20%)

Yellow (82%)

Blue (65%)

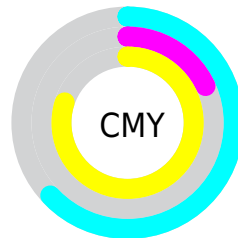


Cyan (55%)

Magenta (0%)

Yellow (75%)

Black (18%)



Cyan (63%)


Magenta (18%)


Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 86.841, 133.041 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 75, 86.841, 133.041 by changing the saturation by 10% instead.


 75, 86.841,
133.041


 75, 86.841,
133.041


 100, 86.841,
133.041


 65, 86.841,
133.041


 95, 86.841,
133.041

 55, 86.841,
133.041

 45, 86.841,
133.041

 35, 86.841,
133.041

 25, 86.841,
133.041

 15, 86.841,
133.041

 5, 86.841, 133.041

■ 0, 86.841, 133.041

■ 75, 86.841,
133.041

■ 75, 86.841,
133.041

■ 74, 93.882,
133.072

■ 76, 77.802,
133.335

■ 74, 98.525,
133.523

■ 77, 67.303,
133.822

■ 74, 100.156,
133.807

■ 78, 55.829,
134.397

■ 79, 43.754,
134.988

■ 80, 31.353,
135.556

■ 81, 18.823,
136.081

■ 83, 6.310, 136.569

■ 85, 6.085, 316.917

■ 87, 18.291,
317.297

Harmonies

Complementary

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



75, 86.841, 133.041



46, 89.840, 319.251

Rectangle

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



75, 86.841, 133.041



75, 86.841, 183.041



75, 86.841, 313.041



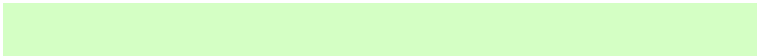
75, 86.841, 3.041

Sweetspot

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



75, 86.841, 133.042



96, 33.774, 135.655



70, 61.306, 84.838



51, 23.374, 135.455



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 86.841, 133.042



89, 112.596, 133.287



74, 80.994, 142.919



43, 7.065, 136.359



60, 85.027, 133.628



13, 28.185, 136.461

Inverse Universe

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



46, 89.840, 319.251



51, 115.822, 318.842



51, 77.674, 336.607



41, 7.116, 317.134



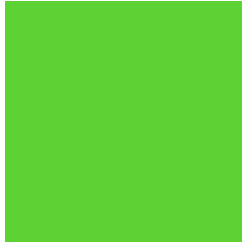
32, 87.184, 318.471



4, 28.662, 317.331

Previews

White Background



This preview shows how the CIELCh color 75, 86.841, 133.041 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 75, 86.841, 133.041 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 75, 86.841, 133.041

Background



This preview shows how black text looks on a background with the CIELCh color 75, 86.841, 133.041.

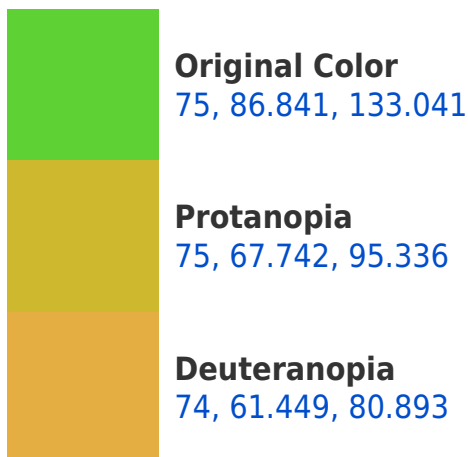


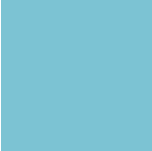
This preview shows how white text looks on a background with the CIELCh color 75, 86.841, 133.041.

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
75, 23.550, 219.613

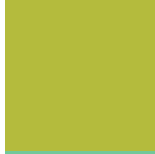
Trichromacy



Original Color
75, 86.841, 133.041



Protanomaly
74, 70.722, 113.467



Deuteranomaly
73, 62.819, 106.926



Tritanomaly
74, 40.006, 157.262

Monochromacy



Original Color
75, 86.841, 133.041



Achromatopsia
65, 0.008, 296.813



Achromatomaly
68, 35.196, 135.295

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 86.841, 133.041 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, 209, 52)` looks like.

```
.text, #text, p{  
    color:rgb(94, 209, 52)  
}
```

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, 209, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 209, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 86.841, 133.041 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, 209, 52) }
```

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

```
.border{ border-color:rgb(94, 209, 52) }
```

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

Here you see how a box with a 4 pixel rgb(94, 209, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 209, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 209, 52);  
box-shadow:4px 4px 4px 4px rgb(94, 209,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 86.841, 133.041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 209, 52) }
```

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

```
.background{ background-color: rgb(94, 209,  
52) }
```

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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