

Converting Colors

CIELCh(81, 76.882, 134.737)

Have a look what the booklet for
CIELCh(81, 76.882, 134.737)
contains.

CIELCh(81, 77.124, 134.845)	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(81, 77.124, 134.845)

Conversions

Conversions Part 1

Format	Color
Hex	79E15C
RGB	121, 225, 92
RGB Percent	47%, 88%, 36%
CMY	0.5269, 0.1190, 0.6405
CMYK	0.46, 0.00, 0.59, 0.12
HSL	107°, 69%, 62%
HSV	107°, 59%, 88%
XYZ	36.5861, 58.4711, 19.4094
YIQ	178.7420, -19.2910, -63.4110

Conversions

Conversions Part 2

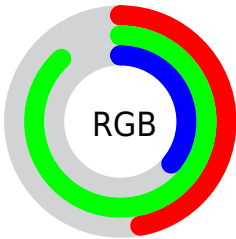
Format	Color
RYB	92, 225, 196
Decimal	7987548
CIELab	81.00, -54.39, 54.68
CIELCh	81, 77.124, 134.845
Yxy	58.4711, 0.3196, 0.5108
Android (android.graphics.Color)	4286177628 (0xFF79E15C)
YUV	178.7420, -42.7638, -50.6397
Hunter-Lab	76.4664, -48.4110, 38.4769

Details

The CIELCh color **81, 77.124, 134.845** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **57, 78.926, 320.636**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 61.632, 133.483**, and **61, 77.136, 134.910** is the 20% darker color. If you saturate the color by 10%, you get **80, 87.718, 134.324**, and if you desaturate by 10%, it is **82, 65.225, 135.478**.

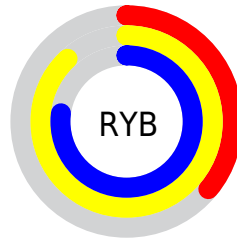
Distribution



Red (47%)

Green (88%)

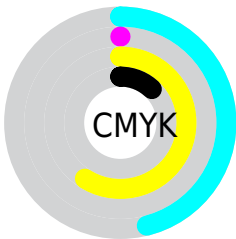
Blue (36%)



Red (36%)

Yellow (88%)

Blue (77%)

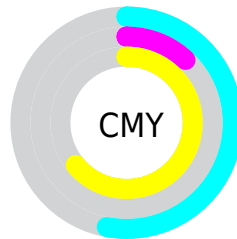


Cyan (46%)

Magenta (0%)

Yellow (59%)

Black (12%)



Cyan (53%)


Magenta (12%)


Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 77.124, 134.845 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 81, 77.124, 134.845 by changing the saturation by 10% instead.


 81, 77.124,
134.845

 81, 77.124,
134.845

 100, 77.124,
134.845

 71, 77.124,
134.845

 61, 77.124,
134.845

 51, 77.124,
134.845

 41, 77.124,
134.845

 31, 77.124,
134.845

 21, 77.124,
134.845

 11, 77.124,

134.845

■ 1, 77.124, 134.845

■ 0, 77.124, 134.845

■ 81, 77.124,
134.845

■ 81, 77.124,
134.845

■ 80, 87.718,
134.324

■ 82, 65.225,
135.478

■ 80, 96.437,
134.033

■ 83, 52.486,
136.135

■ 79, 102.728,
134.100

■ 85, 39.259,
136.767

■ 79, 106.481,
134.527

■ 86, 25.803,
137.349


■ 79, 106.731,


■ 88, 12.309,

134.557

137.875

 90, 1.088, 318.105

 92, 14.292,
318.687

 93, 18.977,
325.084

Harmonies

Complementary

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



81, 77.124, 134.845



57, 78.926, 320.636

Rectangle

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



81, 77.124, 134.845



81, 77.124, 184.845



81, 77.124, 314.845



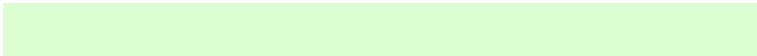
81, 77.124, 4.845

Sweetspot

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



81, 77.125, 134.846



96, 26.815, 137.407



79, 54.344, 90.925



51, 18.644, 137.245



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 77.125, 134.846



90, 98.953, 134.231



80, 68.076, 147.030



46, 7.599, 137.862



63, 88.731, 134.395



17, 33.400, 135.525

Inverse Universe

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



57, 78.926, 320.636



59, 101.063, 320.803



59, 67.692, 337.520



44, 7.645, 318.670



35, 89.385, 320.110



6, 35.318, 320.754

Previews

White Background



This preview shows how the CIELCh color 81, 77.124, 134.845 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 81, 77.124, 134.845 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 81, 77.124, 134.845

Background



This preview shows how black text looks on a background with the CIELCh color 81, 77.124, 134.845.

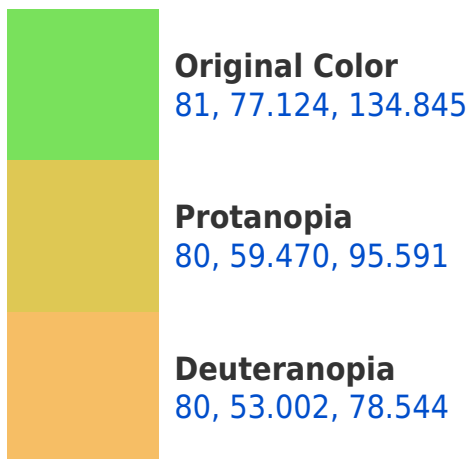


This preview shows how white text looks on a background with the CIELCh color 81, 77.124, 134.845.

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
81, 22.151, 222.371

Trichromacy



Original Color
81, 77.124, 134.845



Protanomaly
80, 61.898, 114.097



Deuteranomaly
80, 53.587, 106.664

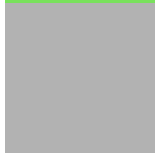


Tritanomaly
81, 34.414, 161.107

Monochromacy



Original Color
81, 77.124, 134.845



Achromatopsia
73, 0.009, 296.813



Achromatomaly
75, 29.606, 137.327

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 77.124, 134.845 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(121, 225, 92)` looks like.

```
.text, #text, p{  
    color:rgb(121, 225, 92)  
}
```

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(121, 225, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 225, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 77.124, 134.845 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(121, 225, 92) }
```

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

```
.border{ border-color:rgb(121, 225, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 225, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 225, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 225, 92);  
box-shadow:4px 4px 4px 4px rgb(121, 225,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 77.124, 134.845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 225, 92) }
```

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

```
.background{ background-color: rgb(121,  
225, 92) }
```

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