

Converting Colors

CIELCh(81, 93.639, 130.144)

Have a look what the booklet for
CIELCh(81, 93.639, 130.144)
contains.

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Color

CIELCh(81, 93.886, 130.265)

Conversions

Conversions Part 1

Format	Color
Hex	72E32D
RGB	114, 227, 45
RGB Percent	45%, 89%, 18%
CMY	0.5545, 0.1112, 0.8253
CMYK	0.50, 0.00, 0.80, 0.11
HSL	97°, 76%, 53%
HSV	97°, 80%, 89%
XYZ	34.7196, 58.4711, 11.8919
YIQ	172.4650, -8.9260, -80.5580

Conversions

Conversions Part 2

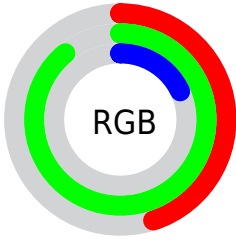
Format	Color
RYB	45, 227, 158
Decimal	7529261
CIELab	81.00, -60.68, 71.64
CIELCh	81, 93.886, 130.265
Yxy	58.4711, 0.3304, 0.5564
Android (android.graphics.Color)	4285719341 (0xFF72E32D)
YUV	172.4650, -62.8402, -51.2738
Hunter-Lab	76.4664, -52.7682, 44.3059

Details

The CIELCh color **81, 93.886, 130.265** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **45, 100.925, 315.839**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 78.604, 127.736**, and **61, 86.021, 133.618** is the 20% darker color. If you saturate the color by 10%, you get **80, 99.968, 130.791**, and if you desaturate by 10%, it is **82, 85.509, 130.172**.

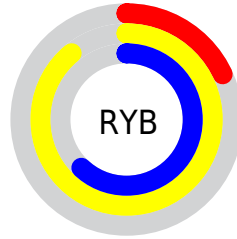
Distribution



Red (45%)

Green (89%)

Blue (18%)



Red (18%)

Yellow (89%)

Blue (62%)

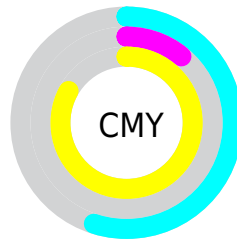


Cyan (50%)

Magenta (0%)

Yellow (80%)

Black (11%)



Cyan (55%)


Magenta (11%)


Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 93.886, 130.265 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, 93.886, 130.265 by changing the saturation by 10% instead.


 81, 93.886,
130.265


 81, 93.886,
130.265


 100, 93.886,
130.265


 71, 93.886,
130.265


 61, 93.886,
130.265

 51, 93.886,
130.265

 41, 93.886,
130.265

 31, 93.886,
130.265

 21, 93.886,
130.265

 11, 93.886,

130.265

■ 1, 93.886, 130.265

■ 0, 93.886, 130.265

■ 81, 93.886,
130.265

■ 81, 93.886,
130.265

■ 80, 99.968,
130.791

■ 82, 85.509,
130.172

■ 80, 103.705,
131.673


■ 82, 75.353,
130.386


■ 83, 63.965,
130.782

■ 84, 51.789,
131.265


■ 86, 39.150,

131.774

 87, 26.278,
132.273

 88, 13.335,
132.745

 90, 0.435, 133.554

 92, 12.341,
313.526

Harmonies

Complementary

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



81, 93.886, 130.265



45, 100.925, 315.839

Rectangle

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



81, 93.886, 130.265



81, 93.886, 180.265



81, 93.886, 310.265



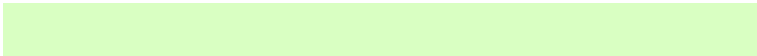
81, 93.886, 0.265

Sweetspot

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



81, 93.886, 130.266



96, 34.108, 132.085



70, 66.651, 75.241



51, 23.421, 131.906



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, 93.886, 130.266



89, 112.069, 131.367



79, 96.431, 139.342



46, 7.257, 132.787



64, 85.589, 131.427



17, 31.978, 131.762

Inverse Universe

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



45, 100.925, 315.839



46, 120.427, 315.076



55, 91.540, 332.473



44, 7.332, 313.552



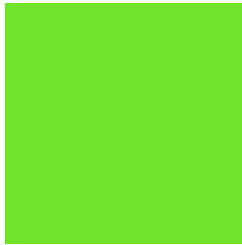
30, 92.049, 315.025



4, 34.327, 314.861

Previews

White Background



This preview shows how the CIELCh color 81, 93.886, 130.265 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, 93.886, 130.265 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, 93.886, 130.265

Background



This preview shows how black text looks on a background with the CIELCh color 81, 93.886, 130.265.

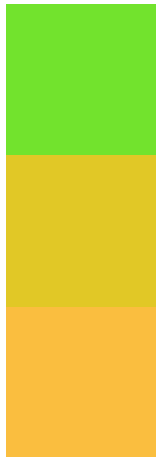


This preview shows how white text looks on a background with the CIELCh color 81, 93.886, 130.265.

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
81, 93.886, 130.265

Protanopia
80, 75.780, 94.986

Deuteranopia
80, 69.319, 81.636



Tritanopia
81, 22.900, 221.488

Trichromacy



Original Color
81, 93.886, 130.265



Protanomaly
80, 78.657, 111.459



Deuteranomaly
79, 70.628, 104.848



Tritanomaly
80, 42.573, 152.499

Monochromacy



Original Color
81, 93.886, 130.265



Achromatopsia
70, 0.009, 296.813



Achromatomaly
73, 38.710, 131.602

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 93.886, 130.265 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(114, 227, 45)` looks like.

```
.text, #text, p{  
    color:rgb(114, 227, 45)  
}
```

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(114, 227, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 227, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 93.886, 130.265 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(114, 227, 45) }
```

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

```
.border{ border-color:rgb(114, 227, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 227, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 227, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 227, 45);  
box-shadow:4px 4px 4px 4px rgb(114, 227,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 93.886, 130.265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 227, 45) }
```

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

```
.background{ background-color: rgb(114,  
227, 45) }
```

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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