

Converting Colors

CIELCh(79, 80.380, 140.350)

Have a look what the booklet for
CIELCh(79, 80.380, 140.350)
contains.

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Color

CIELCh(79, 80.697, 140.301)

Conversions

Conversions Part 1

Format	Color
Hex	56DE5D
RGB	86, 222, 93
RGB Percent	34%, 87%, 36%
CMY	0.6634, 0.1299, 0.6358
CMYK	0.61, 0.00, 0.58, 0.13
HSL	123°, 67%, 60%
HSV	123°, 61%, 87%
XYZ	31.8782, 54.9284, 19.2487
YIQ	166.6300, -39.6470, -68.9510

Conversions

Conversions Part 2

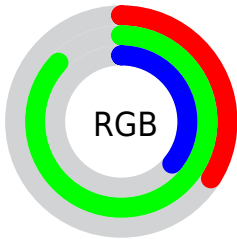
Format	Color
RYB	86, 215, 222
Decimal	5693021
CIELab	79.00, -62.09, 51.55
CIElCh	79, 80.697, 140.301
Yxy	54.9284, 0.3006, 0.5179
Android (android.graphics.Color)	4283883101 (0xFF56DE5D)
YUV	166.6300, -36.2996, -70.7125
Hunter-Lab	74.1137, -52.9215, 36.4809

Details

The CIELCh color **79, 80.697, 140.301** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **59, 79.490, 329.135**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 66.785, 140.926**, and **59, 79.885, 139.510** is the 20% darker color. If you saturate the color by 10%, you get **78, 90.721, 139.051**, and if you desaturate by 10%, it is **80, 69.126, 141.512**.

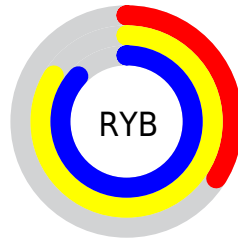
Distribution



Red (34%)

Green (87%)

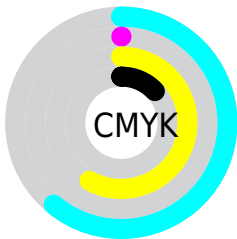
Blue (36%)



Red (34%)

Yellow (84%)

Blue (87%)

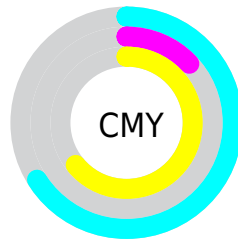


Cyan (61%)

Magenta (0%)

Yellow (58%)

Black (13%)



Cyan (66%)


Magenta (13%)


Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 80.697, 140.301 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 79, 80.697, 140.301 by changing the saturation by 10% instead.


 79, 80.697,
140.301


 79, 80.697,
140.301


 100, 80.697,
140.301


 69, 80.697,
140.301


 99, 80.697,
140.301

 59, 80.697,
140.301

 49, 80.697,
140.301

 39, 80.697,
140.301

 29, 80.697,
140.301

 19, 80.697,
140.301

 9, 80.697, 140.301

0, 80.697, 140.301

79, 80.697,
140.301

79, 80.697,
140.301

78, 90.721,
139.051

80, 69.126,
141.512

78, 98.711,
137.867

81, 56.462,
142.621

78, 104.236,
136.891

83, 43.099,
143.602

77, 106.949,
136.351

84, 29.366,
144.452

86, 15.525,
145.186

88, 1.775, 145.947

■ 90, 11.744,
326.281

■ 92, 20.736,
325.146

Harmonies

Complementary

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



79, 80.697, 140.301



59, 79.490, 329.135

Rectangle

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



79, 80.697, 140.301



79, 80.697, 190.301



79, 80.697, 320.301



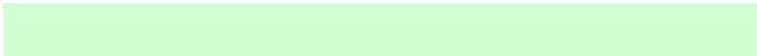
79, 80.697, 10.301

Sweetspot

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



79, 80.698, 140.301



96, 27.753, 144.696



86, 66.766, 106.973



51, 19.298, 144.471



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



79, 80.698, 140.301



89, 103.955, 138.650



80, 54.559, 159.315



46, 7.859, 145.311



63, 89.706, 136.459



16, 34.348, 140.344

Inverse Universe

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



59, 79.490, 329.135



63, 100.775, 329.671



56, 58.992, 354.344



44, 7.872, 326.365



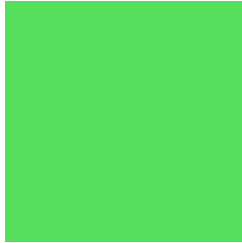
41, 84.026, 330.393



8, 34.705, 330.015

Previews

White Background



This preview shows how the CIELCh color 79, 80.697, 140.301 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 79, 80.697, 140.301 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 79, 80.697, 140.301

Background



This preview shows how black text looks on a background with the CIELCh color 79, 80.697, 140.301.

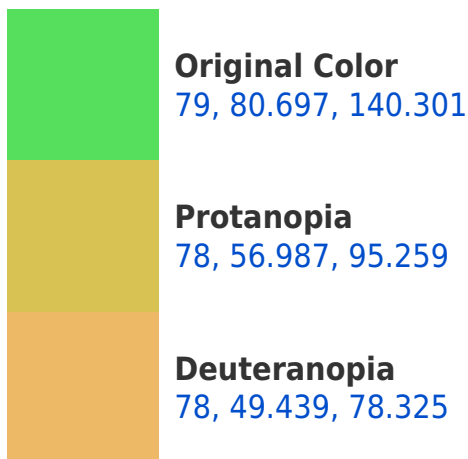


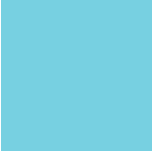
This preview shows how white text looks on a background with the CIELCh color 79, 80.697, 140.301.

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
79, 27.846, 216.886

Trichromacy



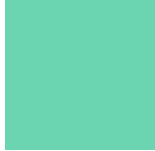
Original Color
79, 80.697, 140.301



Protanomaly
77, 60.862, 118.659



Deuteranomaly
77, 51.328, 112.504



Tritanomaly
78, 40.108, 167.841

Monochromacy



Original Color
79, 80.697, 140.301



Achromatopsia
68, 0.008, 296.813



Achromatomaly
71, 31.699, 143.765

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 80.697, 140.301 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(86, 222, 93)` looks like.

```
.text, #text, p{  
    color:rgb(86, 222, 93)  
}
```

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(86, 222, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 222, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 80.697, 140.301 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(86, 222, 93) }
```

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

```
.border{ border-color:rgb(86, 222, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 222, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 222, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 222, 93);  
box-shadow:4px 4px 4px 4px rgb(86, 222,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 80.697, 140.301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 222, 93) }
```

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

```
.background{ background-color: rgb(86, 222,  
93) }
```

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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