

Converting Colors

CIELCh(81, 56.394, 141.033)

Have a look what the booklet for
CIELCh(81, 56.394, 141.033)
contains.

CIELCh(81, 56.472, 140.879)	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, 56.472, 140.879)

Conversions

Conversions Part 1

Format	Color
Hex	86DD84
RGB	134, 221, 132
RGB Percent	53%, 87%, 52%
CMY	0.4744, 0.1332, 0.4822
CMYK	0.39, 0.00, 0.40, 0.13
HSL	119°, 57%, 69%
HSV	119°, 40%, 87%
XYZ	39.8711, 58.4711, 31.0266
YIQ	184.8410, -23.2830, -46.1230

Conversions

Conversions Part 2

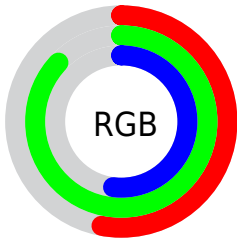
Format	Color
RYB	132, 221, 219
Decimal	8838532
CIELab	81.00, -43.81, 35.63
CIElCh	81, 56.472, 140.879
Yxy	58.4711, 0.3082, 0.4520
Android (android.graphics.Color)	4287028612 (0xFF86DD84)
YUV	184.8410, -26.0506, -44.5876
Hunter-Lab	76.4664, -40.7426, 29.4693

Details

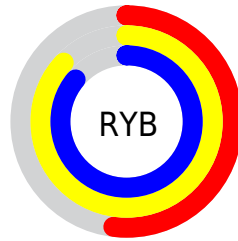
The CIELCh color **81, 56.472, 140.879** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **67, 56.450, 325.932**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 42.441, 141.167**, and **61, 56.239, 140.801** is the 20% darker color. If you saturate the color by 10%, you get **80, 69.513, 139.869**, and if you desaturate by 10%, it is **82, 42.730, 141.788**.

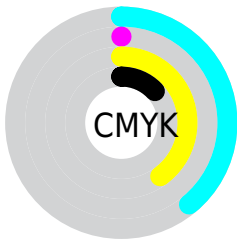
Distribution



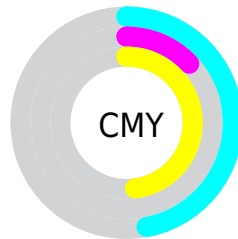
- Red (53%)
- Green (87%)
- Blue (52%)



- Red (52%)
- Yellow (87%)
- Blue (86%)



- Cyan (39%)
- Magenta (0%)
- Yellow (40%)
- Black (13%)





- Cyan (47%)
- Magenta (13%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 56.472, 140.879 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, 56.472, 140.879 by changing the saturation by 10% instead.


 81, 56.472,
140.879


 81, 56.472,
140.879


 100, 56.472,
140.879


 71, 56.472,
140.879


 61, 56.472,
140.879

 51, 56.472,
140.879

 41, 56.472,
140.879

 31, 56.472,
140.879

 21, 56.472,
140.879

 11, 56.472,

140.879

■ 1, 56.472, 140.879

■ 0, 56.472, 140.879

■ 81, 56.472,
140.879

■ 81, 56.472,
140.879

■ 80, 69.513,
139.869

■ 82, 42.730,
141.788

■ 79, 81.411,
138.798

■ 84, 28.631,
142.582

■ 78, 91.641,
137.749

■ 86, 14.442,
143.270

■ 78, 99.618,
136.850

■ 88, 0.363, 144.580

■ 77, 104.845,

■ 90, 13.469,
324.297

136.245

92, 21.254,
325.164

77, 107.411,
135.941

Harmonies

Complementary

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



81, 56.472, 140.879



67, 56.450, 325.932

Rectangle

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



81, 56.472, 140.879



81, 56.472, 190.879



81, 56.472, 320.879



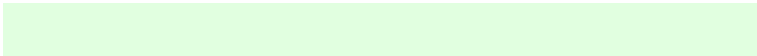
81, 56.472, 10.879

Sweetspot

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



81, 56.473, 140.879



97, 18.977, 143.151



86, 44.108, 104.808



52, 12.596, 143.064



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, 56.473, 140.879



91, 74.784, 140.066



82, 40.100, 157.972



45, 7.930, 143.324



62, 89.578, 135.915



15, 33.509, 139.810

Inverse Universe

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



67, 56.450, 325.932



73, 74.579, 326.299



66, 41.707, 345.751



43, 7.945, 324.325



40, 86.635, 327.349



7, 34.483, 327.405

Previews

White Background



This preview shows how the CIELCh color 81, 56.472, 140.879 looks on a white background.

Color Contrast Check

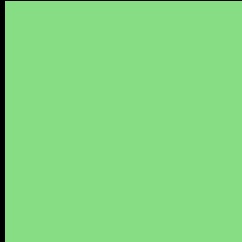
Large Text (above 18pt) WCAG AA × Fail

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, 56.472, 140.879 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, 56.472, 140.879

Background



This preview shows how black text looks on a background with the CIELCh color 81, 56.472, 140.879.



This preview shows how white text looks on a background with the CIELCh color 81, 56.472, 140.879.

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](#).

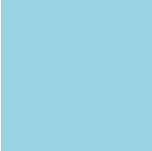
Dichromacy



Original Color
81, 56.472, 140.879

Protanopia
81, 40.421, 95.833

Deuteranopia
80, 34.394, 72.169



Tritanopia
81, 20.386, 224.748

Trichromacy



Original Color
81, 56.472, 140.879



Protanomaly
80, 42.836, 117.866



Deuteranomaly
80, 34.543, 107.709



Tritanomaly
81, 26.696, 171.447

Monochromacy



Original Color
81, 56.472, 140.879



Achromatopsia
75, 0.009, 296.813



Achromatomaly
77, 21.007, 143.452

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 56.472, 140.879 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(134, 221, 132)` looks like.

```
.text, #text, p{  
    color:rgb(134, 221, 132)  
}
```

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(134, 221, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 221, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 56.472, 140.879 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(134, 221, 132) }
```

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

```
.border{ border-color:rgb(134, 221, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 221, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 221, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 221, 132);  
box-shadow:4px 4px 4px 4px rgb(134, 221,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 56.472, 140.879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 221, 132) }
```

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

```
.background{ background-color: rgb(134,  
221, 132) }
```

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