

Converting Colors

CIELCh(80, 62.859, 139.175)

Have a look what the booklet for
CIELCh(80, 62.859, 139.175)
contains.

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Color

CIELCh(80, 63.247, 139.070)

Conversions

Conversions Part 1

Format	Color
Hex	7EDC76
RGB	126, 220, 118
RGB Percent	49%, 86%, 46%
CMY	0.5074, 0.1388, 0.5387
CMYK	0.43, 0.00, 0.46, 0.14
HSL	115°, 59%, 66%
HSV	115°, 46%, 86%
XYZ	37.2825, 56.6813, 26.0013
YIQ	180.2660, -23.2820, -51.6500

Conversions

Conversions Part 2

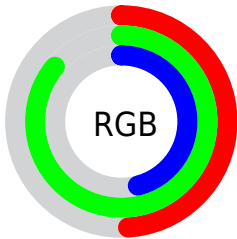
Format	Color
RYB	118, 220, 212
Decimal	8313974
CIELab	80.00, -47.78, 41.44
CIElCh	80, 63.247, 139.070
Yxy	56.6813, 0.3108, 0.4725
Android (android.graphics.Color)	4286504054 (0xFF7EDC76)
YUV	180.2660, -30.6971, -47.5913
Hunter-Lab	75.2870, -43.3581, 32.2244

Details

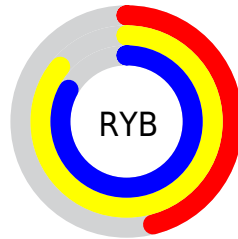
The CIELCh color **80, 63.247, 139.070** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **63, 63.468, 324.539**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 49.781, 138.856**, and **60, 63.100, 139.082** is the 20% darker color. If you saturate the color by 10%, you get **79, 75.506, 138.149**, and if you desaturate by 10%, it is **81, 50.119, 139.939**.

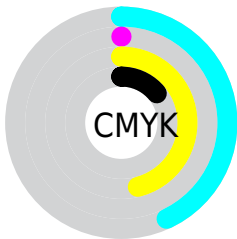
Distribution



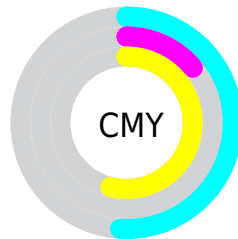
- Red (49%)
- Green (86%)
- Blue (46%)



- Red (46%)
- Yellow (86%)
- Blue (83%)



- Cyan (43%)
- Magenta (0%)
- Yellow (46%)
- Black (14%)





- Cyan (51%)
- Magenta (14%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 63.247, 139.070 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 80, 63.247, 139.070 by changing the saturation by 10% instead.


 80, 63.247,
139.070


 80, 63.247,
139.070


 100, 63.247,
139.070


 70, 63.247,
139.070


 60, 63.247,
139.070

 50, 63.247,
139.070

 40, 63.247,
139.070

 30, 63.247,
139.070

 20, 63.247,
139.070

 10, 63.247,

139.070

■ 0, 63.247, 139.070

■ 80, 63.247,
139.070

■ 80, 63.247,
139.070

■ 79, 75.506,
138.149

■ 81, 50.119,
139.939

■ 78, 86.422,
137.242

■ 83, 36.491,
140.723

■ 77, 95.432,
136.460

■ 84, 22.652,
141.412

■ 77, 101.968,
135.940

■ 86, 8.815, 142.020

■ 77, 105.702,
135.780

■ 88, 4.864, 322.442

■ 91, 18.277,
322.909

■ 77,106.577,
135.732

■ 91, 22.160,
325.196

Harmonies

Complementary

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



80, 63.247, 139.070



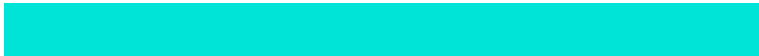
63, 63.468, 324.539

Rectangle

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



80, 63.247, 139.070



80, 63.247, 189.070



80, 63.247, 319.070



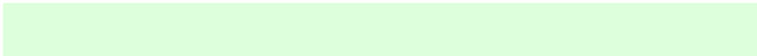
80, 63.247, 9.070

Sweetspot

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



80, 63.248, 139.071



97, 21.765, 141.559



83, 48.057, 101.727



51, 15.040, 141.421



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 63.248, 139.071



90, 84.577, 138.145



80, 47.527, 154.831



45, 7.789, 141.843



62, 89.261, 135.657



15, 32.996, 138.754

Inverse Universe

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



63, 63.468, 324.539



68, 84.611, 324.905



63, 48.967, 343.717



43, 7.811, 322.775



39, 86.959, 325.200



6, 34.252, 325.479

Previews

White Background



This preview shows how the CIELCh color 80, 63.247, 139.070 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 80, 63.247, 139.070 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 80, 63.247, 139.070

Background



This preview shows how black text looks on a background with the CIELCh color 80, 63.247, 139.070.

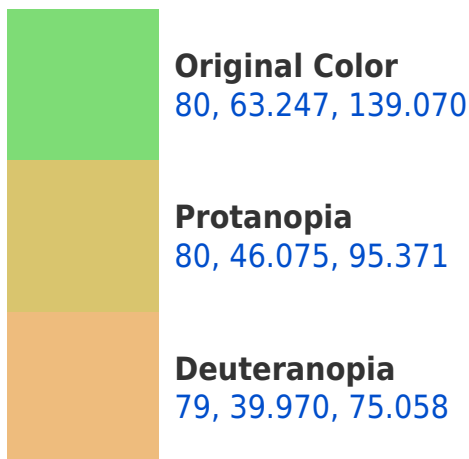


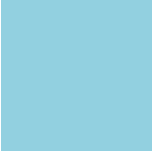
This preview shows how white text looks on a background with the CIELCh color 80, 63.247, 139.070.

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
80, 21.260, 221.962

Trichromacy



Original Color
80, 63.247, 139.070



Protanomaly
79, 48.223, 116.204



Deuteranomaly
79, 40.193, 107.652



Tritanomaly
80, 29.297, 167.841

Monochromacy



Original Color
80, 63.247, 139.070



Achromatopsia
73, 0.009, 296.813



Achromatomaly
75, 23.767, 141.172

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 63.247, 139.070 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(126, 220, 118)` looks like.

```
.text, #text, p{  
    color:rgb(126, 220, 118)  
}
```

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(126, 220, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 220, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 63.247, 139.070 is called "border". The border property can be set on classes, ids or directly on the HTML element.

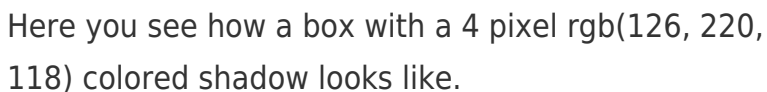
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(126, 220, 118) }
```

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

```
.border{ border-color:rgb(126, 220, 118) }
```

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



Here you see how a box with a 4 pixel `rgb(126, 220, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 220, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 220, 118); box-shadow:4px 4px 4px 4px rgb(126, 220, 118) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 63.247, 139.070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 220, 118) }
```

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

```
.background{ background-color: rgb(126,  
220, 118) }
```

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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