

Converting Colors

CIELCh(79, 87.714, 139.797)

Have a look what the booklet for
CIELCh(79, 87.714, 139.797)
contains.

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Color

CIELCh(79, 87.513, 139.869)

Conversions

Conversions Part 1

Format	Color
Hex	47DF51
RGB	71, 223, 81
RGB Percent	28%, 87%, 32%
CMY	0.7233, 0.1238, 0.6808
CMYK	0.68, 0.00, 0.64, 0.12
HSL	124°, 71%, 58%
HSV	124°, 68%, 88%
XYZ	30.5694, 54.9284, 16.8552
YIQ	161.3640, -45.0100, -76.3860

Conversions

Conversions Part 2

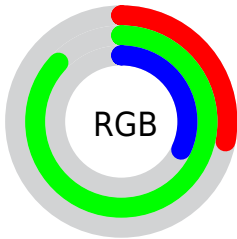
Format	Color
RYB	71, 214, 223
Decimal	4710225
CIELab	79.00, -66.91, 56.41
CIELCh	79, 87.513, 139.869
Yxy	54.9284, 0.2987, 0.5367
Android (android.graphics.Color)	4282900305 (0xFF47DF51)
YUV	161.3640, -39.6195, -79.2492
Hunter-Lab	74.1137, -56.0738, 38.3956

Details

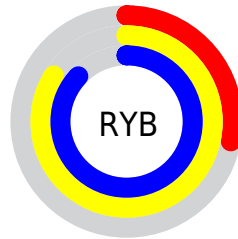
The CIELCh color **79, 87.513, 139.869** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **57, 85.384, 330.112**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 73.553, 140.283**, and **59, 84.077, 137.360** is the 20% darker color. If you saturate the color by 10%, you get **78, 96.241, 138.589**, and if you desaturate by 10%, it is **80, 76.980, 141.156**.

Distribution



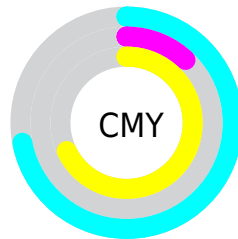
- Red (28%)
- Green (87%)
- Blue (32%)



- Red (28%)
- Yellow (84%)
- Blue (87%)



- Cyan (68%)
- Magenta (0%)
- Yellow (64%)
- Black (12%)



- Cyan (72%)
- Magenta (12%)
- Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 87.513, 139.869 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, 87.513, 139.869 by changing the saturation by 10% instead.

 79, 87.513,
139.869

 79, 87.513,
139.869


 100, 87.513,
139.869

 69, 87.513,
139.869

 99, 87.513,
139.869

 59, 87.513,
139.869

 49, 87.513,
139.869

 39, 87.513,
139.869

 29, 87.513,
139.869

 19, 87.513,
139.869

 9, 87.513, 139.869

■ 0, 87.513, 139.869

■ 79, 87.513,
139.869

■ 79, 87.513,
139.869

■ 78, 96.241,
138.589

■ 80, 76.980,
141.156

■ 78, 102.727,
137.439

■ 81, 65.093,
142.363

■ 78, 106.709,
136.579

■ 82, 52.266,
143.449

■ 78, 107.137,
136.497

■ 84, 38.861,
144.399

■ 85, 25.177,
145.219

■ 87, 11.450,
145.930

■ 89, 2.142, 326.357

■ 92, 15.473,
326.982

■ 92, 19.749,
325.111

Harmonies

Complementary

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



79, 87.513, 139.869



57, 85.384, 330.112

Rectangle

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



79, 87.513, 139.869



79, 87.513, 189.869



79, 87.513, 319.869



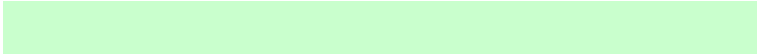
79, 87.513, 9.869

Sweetspot

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



79, 87.513, 139.869



95, 31.970, 145.007



86, 73.288, 107.386



50, 21.644, 144.782



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, 87.513, 139.869



88, 109.672, 138.084



80, 58.941, 159.045



46, 7.754, 145.861



63, 89.334, 136.630



16, 34.013, 140.678

Inverse Universe

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



57, 85.384, 330.112



61, 104.515, 330.696



54, 64.238, 357.206



44, 7.768, 326.923



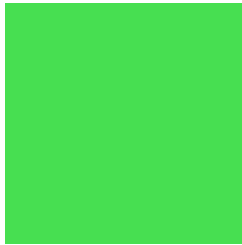
41, 82.769, 331.262



7, 34.256, 330.725

Previews

White Background



This preview shows how the CIELCh color 79, 87.513, 139.869 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, 87.513, 139.869 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, 87.513, 139.869

Background



This preview shows how black text looks on a background with the CIELCh color 79, 87.513, 139.869.

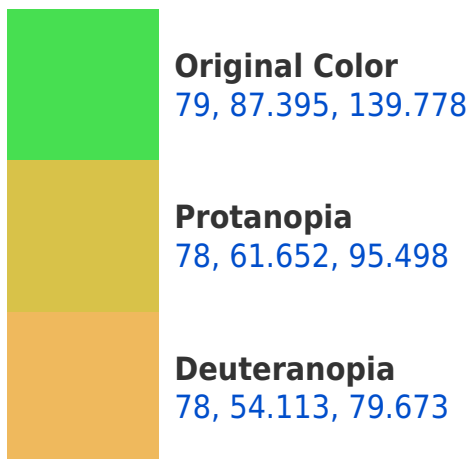


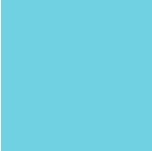
This preview shows how white text looks on a background with the CIELCh color 79, 87.513, 139.869.

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, 29.784, 215.462

Trichromacy



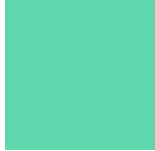
Original Color
79, 87.395, 139.778



Protanomaly
77, 66.536, 119.616



Deuteranomaly
77, 56.686, 113.990



Tritanomaly
78, 44.218, 166.550

Monochromacy



Original Color
79, 87.395, 139.778



Achromatopsia
67, 0.008, 296.813



Achromatomaly
70, 34.852, 144.351

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 87.513, 139.869 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(71, 223, 81)` looks like.

```
.text, #text, p{  
    color:rgb(71, 223, 81)  
}
```

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(71, 223, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 223, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 87.513, 139.869 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(71, 223, 81) }
```

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

```
.border{ border-color:rgb(71, 223, 81) }
```

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

Here you see how a box with a 4 pixel rgb(71, 223, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 223, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 223, 81);  
box-shadow:4px 4px 4px 4px rgb(71, 223,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 87.513, 139.869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 223, 81) }
```

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

```
.background{ background-color: rgb(71, 223,  
81) }
```

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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