

Converting Colors

CIELCh(81, 91.574, 136.185)

Have a look what the booklet for
CIELCh(81, 91.574, 136.185)
contains.

CIELCh(81, 91.833, 136.140)	3
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Color

CIELCh(81, 91.833, 136.140)

Conversions

Conversions Part 1

Format	Color
Hex	59E545
RGB	89, 229, 69
RGB Percent	35%, 90%, 27%
CMY	0.6519, 0.1027, 0.7302
CMYK	0.61, 0.00, 0.70, 0.10
HSL	113°, 75%, 58%
HSV	113°, 70%, 90%
XYZ	33.1317, 58.4711, 15.1384
YIQ	168.9000, -32.0800, -79.4400

Conversions

Conversions Part 2

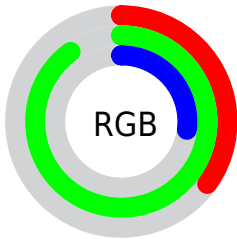
Format	Color
RYB	69, 229, 209
Decimal	5891397
CIELab	81.00, -66.21, 63.63
CIELCh	81, 91.833, 136.140
Yxy	58.4711, 0.3104, 0.5478
Android (android.graphics.Color)	4284081477 (0xFF59E545)
YUV	168.9000, -49.2507, -70.0723
Hunter-Lab	76.4664, -56.4748, 41.7886

Details

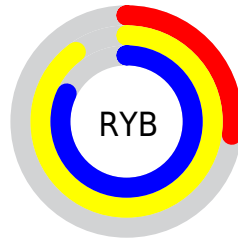
The CIELCh color **81, 91.833, 136.140** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **55, 91.921, 323.750**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 74.740, 135.401**, and **61, 89.167, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **80, 100.386, 135.595**, and if you desaturate by 10%, it is **82, 81.170, 136.885**.

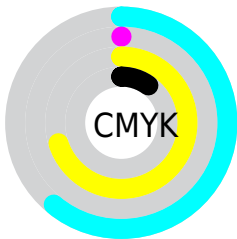
Distribution



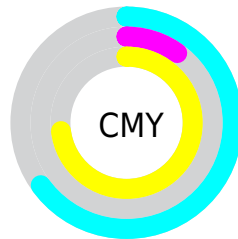
- Red (35%)
- Green (90%)
- Blue (27%)



- Red (27%)
- Yellow (90%)
- Blue (82%)



- Cyan (61%)
- Magenta (0%)
- Yellow (70%)
- Black (10%)





- Cyan (65%)
- Magenta (10%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 91.833, 136.140 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, 91.833, 136.140 by changing the saturation by 10% instead.


 81, 91.833,
136.140


 81, 91.833,
136.140


 100, 91.833,
136.140


 71, 91.833,
136.140


 61, 91.833,
136.140

 51, 91.833,
136.140

 41, 91.833,
136.140

 31, 91.833,
136.140

 21, 91.833,
136.140

 11, 91.833,

136.140

■ 1, 91.833, 136.140

■ 0, 91.833, 136.140

■ 81, 91.833,
136.140

■ 81, 91.833,
136.140

■ 80, 100.386,
135.595

■ 82, 81.170,
136.885

■ 80, 106.278,
135.378

■ 83, 68.996,
137.703

■ 80, 109.513,
135.469


■ 84, 55.825,
138.511


■ 80, 109.532,
135.469


■ 85, 42.060,
139.261


■ 87, 28.006,

139.934

 89, 13.894,
140.528

 91, 0.112, 318.759

 93, 13.892,
321.428

 94, 16.368,
324.991

Harmonies

Complementary

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



81, 91.833, 136.140



55, 91.921, 323.750

Rectangle

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



81, 91.833, 136.140



81, 91.833, 186.140



81, 91.833, 316.140



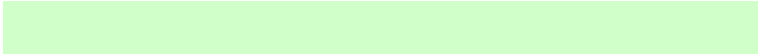
81, 91.833, 6.140

Sweetspot

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



81, 91.833, 136.141



96, 32.234, 139.858



83, 68.489, 96.377



50, 21.823, 139.676



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, 91.833, 136.141



88, 112.268, 135.449



81, 73.292, 149.061



47, 7.966, 140.555



64, 90.838, 135.365



18, 35.676, 136.680

Inverse Universe

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



55, 91.921, 323.750



57, 111.245, 323.755



56, 72.809, 344.105



45, 7.997, 321.441



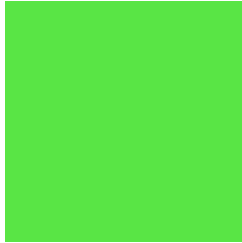
38, 89.246, 323.439



7, 37.224, 324.098

Previews

White Background



This preview shows how the CIE LCh color 81, 91.833, 136.140 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, 91.833, 136.140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

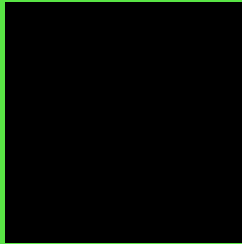
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 91.833, 136.140

Background



This preview shows how black text looks on a background with the CIELCh color 81, 91.833, 136.140.

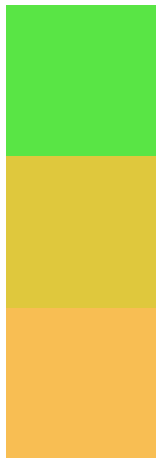


This preview shows how white text looks on a background with the CIELCh color 81, 91.833, 136.140.

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, 91.833, 136.140

Protanopia
80, 68.637, 95.538

Deuteranopia
80, 61.164, 80.390



Tritanopia
81, 27.875, 216.784

Trichromacy



Original Color
81, 91.833, 136.140



Protanomaly
79, 72.238, 116.033



Deuteranomaly
79, 63.046, 109.927



Tritanomaly
80, 43.974, 161.808

Monochromacy



Original Color
81, 91.833, 136.140



Achromatopsia
69, 0.009, 296.813



Achromatomaly
73, 36.899, 139.361

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 91.833, 136.140 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(89, 229, 69)` looks like.

```
.text, #text, p{  
    color:rgb(89, 229, 69)  
}
```

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(89, 229, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 229, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 91.833, 136.140 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(89, 229, 69) }
```

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

```
.border{ border-color:rgb(89, 229, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 229, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 229, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 229, 69);  
box-shadow:4px 4px 4px 4px rgb(89, 229,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 91.833, 136.140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 229, 69) }
```

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

```
.background{ background-color: rgb(89, 229,  
69) }
```

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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