

Converting Colors

CIELCh(80, 89.097, 137.472)

Have a look what the booklet for
CIELCh(80, 89.097, 137.472)
contains.

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Color

CIELCh(80, 89.190, 137.509)

Conversions

Conversions Part 1

Format	Color
Hex	54E24B
RGB	84, 226, 75
RGB Percent	33%, 89%, 29%
CMY	0.6714, 0.1144, 0.7065
CMYK	0.63, 0.00, 0.67, 0.11
HSL	116°, 72%, 59%
HSV	116°, 67%, 89%
XYZ	32.0526, 56.6813, 15.8783
YIQ	166.3280, -36.1610, -77.0650

Conversions

Conversions Part 2

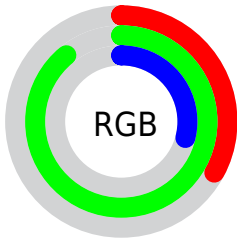
Format	Color
RYB	75, 226, 217
Decimal	5562955
CIELab	80.00, -65.77, 60.25
CIElCh	80, 89.190, 137.509
Yxy	56.6813, 0.3064, 0.5418
Android (android.graphics.Color)	4283753035 (0xFF54E24B)
YUV	166.3280, -45.0247, -72.2017
Hunter-Lab	75.2870, -55.7579, 40.1964

Details

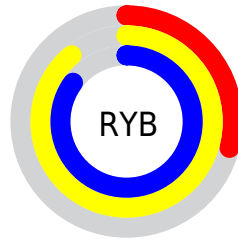
The CIELCh color **80, 89.190, 137.509** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **57, 88.470, 325.789**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 73.617, 137.303**, and **60, 87.443, 136.283** is the 20% darker color. If you saturate the color by 10%, you get **79, 98.238, 136.673**, and if you desaturate by 10%, it is **81, 78.121, 138.469**.

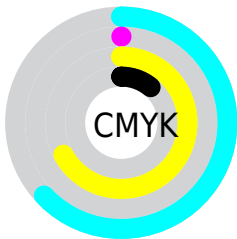
Distribution



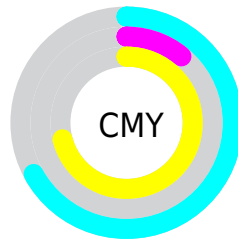
- Red (33%)
- Green (89%)
- Blue (29%)



- Red (29%)
- Yellow (89%)
- Blue (85%)



- Cyan (63%)
- Magenta (0%)
- Yellow (67%)
- Black (11%)





- Cyan (67%)
- Magenta (11%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 89.190, 137.509 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, 89.190, 137.509 by changing the saturation by 10% instead.


 80, 89.190,
137.509


 80, 89.190,
137.509


 100, 89.190,
137.509


 70, 89.190,
137.509

 60, 89.190,
137.509

 50, 89.190,
137.509

 40, 89.190,
137.509

 30, 89.190,
137.509

 20, 89.190,
137.509

 10, 89.190,

137.509

■ 0, 89.190, 137.509

■ 80, 89.190,
137.509

■ 80, 89.190,
137.509

■ 79, 98.238,
136.673

■ 81, 78.121,
138.469

■ 79, 104.689,
136.100

■ 82, 65.612,
139.438

■ 79, 108.248,
135.883

■ 83, 52.161,
140.346


■ 79, 108.977,
135.820


■ 85, 38.163,
141.162

■ 86, 23.925,
141.877

 88, 9.680, 142.505

 91, 4.407, 322.937

 93, 18.000,
323.873

 93, 18.239,
325.057

Harmonies

Complementary

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



80, 89.190, 137.509



57, 88.470, 325.789

Rectangle

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



80, 89.190, 137.509



80, 89.190, 187.509



80, 89.190, 317.509



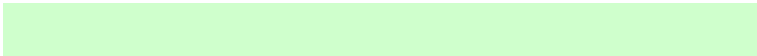
80, 89.190, 7.509

Sweetspot

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



80, 89.190, 137.510



96, 31.347, 141.654



85, 68.826, 100.643



50, 21.395, 141.453



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, 89.190, 137.510



88, 110.644, 136.425



81, 66.039, 152.473



46, 7.986, 142.349



63, 90.353, 135.755



16, 34.713, 138.410

Inverse Universe

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



57, 88.470, 325.789



60, 108.623, 325.995



56, 67.421, 347.676



44, 8.006, 323.306



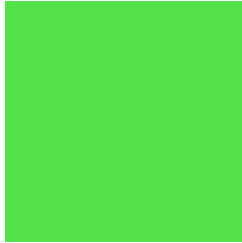
40, 87.776, 325.918



7, 35.876, 326.238

Previews

White Background



This preview shows how the CIE LCh color 80, 89.190, 137.509 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, 89.190, 137.509 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

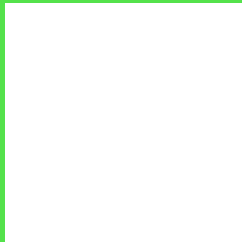
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 89.190, 137.509

Background



This preview shows how black text looks on a background with the CIELCh color 80, 89.190, 137.509.

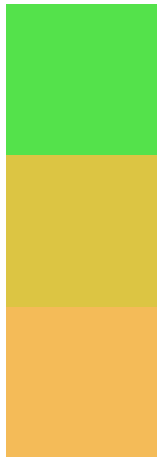


This preview shows how white text looks on a background with the CIELCh color 80, 89.190, 137.509.

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](#).

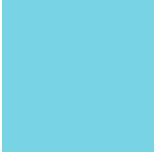
Dichromacy



Original Color
80, 89.190, 137.509

Protanopia
79, 65.283, 95.341

Deuteranopia
79, 57.706, 79.610



Tritanopia
80, 28.304, 216.497

Trichromacy



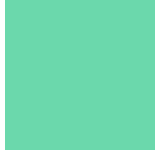
Original Color
80, 89.190, 137.509



Protanomaly
78, 69.054, 117.148



Deuteranomaly
78, 59.776, 110.858



Tritanomaly
79, 43.393, 163.669

Monochromacy



Original Color
80, 89.190, 137.509



Achromatopsia
68, 0.008, 296.813



Achromatomaly
71, 35.853, 141.121

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 89.190, 137.509 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(84, 226, 75)` looks like.

```
.text, #text, p{  
    color:rgb(84, 226, 75)  
}
```

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(84, 226, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 226, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 89.190, 137.509 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(84, 226, 75) }
```

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

```
.border{ border-color:rgb(84, 226, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 226, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 226, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 226, 75);  
box-shadow:4px 4px 4px 4px rgb(84, 226,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 89.190, 137.509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 226, 75) }
```

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

```
.background{ background-color: rgb(84, 226,  
75) }
```

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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