

Converting Colors

CIELCh(80, 93.100, 135.787)

Have a look what the booklet for
CIELCh(80, 93.100, 135.787)
contains.

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Color

CIELCh(80, 93.202, 135.812)

Conversions

Conversions Part 1

Format	Color
Hex	54E23E
RGB	84, 226, 62
RGB Percent	33%, 89%, 24%
CMY	0.6701, 0.1134, 0.7565
CMYK	0.63, 0.00, 0.73, 0.11
HSL	112°, 74%, 57%
HSV	112°, 73%, 89%
XYZ	31.7595, 56.6813, 13.8379
YIQ	164.8460, -31.9880, -81.1080

Conversions

Conversions Part 2

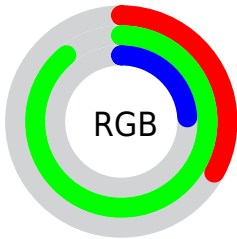
Format	Color
RYB	62, 226, 204
Decimal	5562942
CIELab	80.00, -66.83, 64.96
CIElCh	80, 93.202, 135.812
Yxy	56.6813, 0.3105, 0.5542
Android (android.graphics.Color)	4283753022 (0xFF54E23E)
YUV	164.8460, -50.7031, -70.9019
Hunter-Lab	75.2870, -56.4526, 41.8033

Details

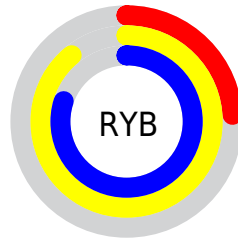
The CIELCh color **80, 93.202, 135.812** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **54, 93.321, 323.471**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 77.942, 135.302**, and **60, 88.014, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **79, 101.067, 135.372**, and if you desaturate by 10%, it is **81, 83.112, 136.491**.

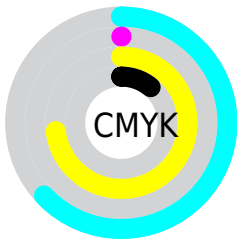
Distribution



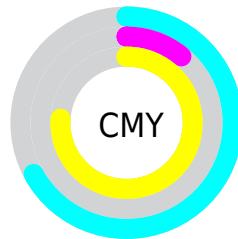
- Red (33%)
- Green (89%)
- Blue (24%)



- Red (24%)
- Yellow (89%)
- Blue (80%)



- Cyan (63%)
- Magenta (0%)
- Yellow (73%)
- Black (11%)





- Cyan (67%)
- Magenta (11%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 93.202, 135.812 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, 93.202, 135.812 by changing the saturation by 10% instead.


 80, 93.202,
135.812


 80, 93.202,
135.812


 100, 93.202,
135.812


 70, 93.202,
135.812

 60, 93.202,
135.812

 50, 93.202,
135.812

 40, 93.202,
135.812

 30, 93.202,
135.812

 20, 93.202,
135.812

 10, 93.202,

135.812

■ 0, 93.202, 135.812

■ 80, 93.202,
135.812

■ 80, 93.202,
135.812

■ 79, 101.067,
135.372

■ 81, 83.112,
136.491

■ 79, 106.216,
135.288

■ 82, 71.398,
137.277

■ 79, 108.443,
135.395

■ 83, 58.590,
138.075

■ 84, 45.111,
138.829

■ 86, 31.283,
139.512

■ 87, 17.346,
140.117

■ 89, 3.477, 140.692

■ 91, 10.199,
321.042

■ 93, 18.074,
325.052

Harmonies

Complementary

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



80, 93.202, 135.812



54, 93.321, 323.471

Rectangle

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



80, 93.202, 135.812



80, 93.202, 185.812



80, 93.202, 315.812



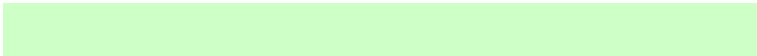
80, 93.202, 5.812

Sweetspot

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



80, 93.202, 135.813



96, 33.672, 139.536



81, 68.927, 95.015



50, 22.628, 139.359



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, 93.202, 135.813



88, 113.925, 135.280



80, 75.767, 147.942



46, 7.797, 140.290



63, 89.775, 135.282



16, 34.068, 137.052

Inverse Universe

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



54, 93.321, 323.471



56, 112.881, 323.383



55, 74.470, 343.511



44, 7.829, 321.165



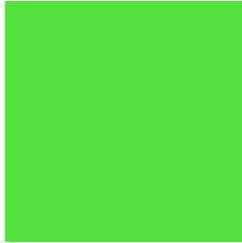
38, 88.391, 323.094



6, 35.681, 323.682

Previews

White Background



This preview shows how the CIELCh color 80, 93.202, 135.812 looks on a white background.

Color Contrast Check

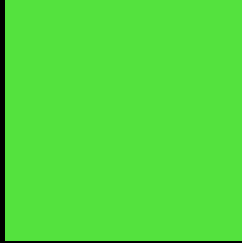
Large Text (above 18pt) WCAG AA × Fail

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, 93.202, 135.812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

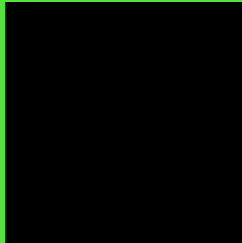
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 93.202, 135.812

Background



This preview shows how black text looks on a background with the CIELCh color 80, 93.202, 135.812.

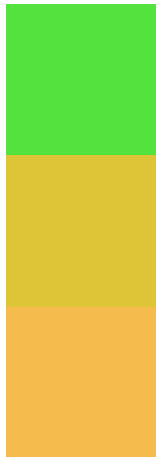


This preview shows how white text looks on a background with the CIELCh color 80, 93.202, 135.812.

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

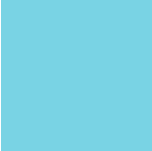
80, 93.202, 135.812

Protanopia

79, 69.679, 95.102

Deuteranopia

79, 62.493, 80.608



Tritanopia
80, 28.084, 216.663

Trichromacy



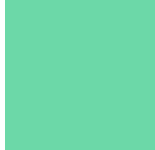
Original Color
80, 93.202, 135.812



Protanomaly
79, 73.651, 116.013



Deuteranomaly
78, 64.316, 110.057

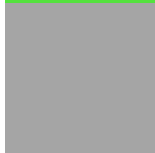


Tritanomaly
79, 44.594, 161.359

Monochromacy



Original Color
80, 93.202, 135.812



Achromatopsia
68, 0.008, 296.813



Achromatomaly
71, 37.494, 138.890

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 93.202, 135.812 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, 62)` looks like.

```
.text, #text, p{  
    color:rgb(84, 226, 62)  
}
```

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, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 226, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 93.202, 135.812 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, 62) }
```

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

```
.border{ border-color:rgb(84, 226, 62) }
```

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, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 226, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 226, 62);  
box-shadow:4px 4px 4px 4px rgb(84, 226,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 93.202, 135.812 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, 62) }
```

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

```
.background{ background-color: rgb(84, 226,  
62) }
```

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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