

Converting Colors

CIELCh(80, 107.294, 150.748)

Have a look what the booklet for
CIELCh(80, 107.294, 150.748)
contains.

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Color

CIELCh(82, 93.535, 143.960)

Conversions

Conversions Part 1

Format	Color
Hex	01EB5C
RGB	1, 235, 92
RGB Percent	0%, 92%, 36%
CMY	0.9959, 0.0777, 0.6386
CMYK	1.00, 0.00, 0.61, 0.08
HSL	143°, 99%, 46%
HSV	143°, 100%, 92%
XYZ	31.7098, 60.2982, 20.1295
YIQ	148.7320, -93.5610, -94.0810

Conversions

Conversions Part 2

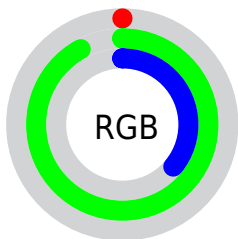
Format	Color
RYB	1, 169, 235
Decimal	125788
CIELab	82.00, -75.63, 55.03
CIELCh	82, 93.535, 143.960
Yxy	60.2982, 0.2828, 0.5377
Android (android.graphics.Color)	4278315868 (0xFF01EB5C)
YUV	148.7320, -27.9689, -129.5610
Hunter-Lab	77.6519, -62.9989, 38.9868

Details

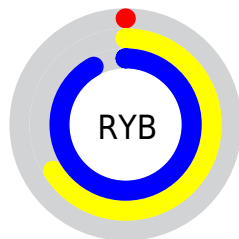
The CIELCh color **82, 93.535, 143.960** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **52, 82.366, 352.348**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 73.638, 146.545**, and **63, 85.406, 138.689** is the 20% darker color. If you saturate the color by 10%, you get **82, 93.777, 143.869**, and if you desaturate by 10%, it is **82, 87.799, 146.109**.

Distribution



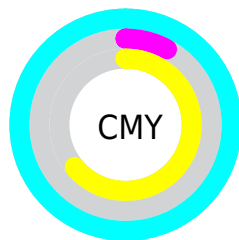
- Red (0%)
- Green (92%)
- Blue (36%)



- Red (0%)
- Yellow (66%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (61%)
- Black (8%)





- Cyan (100%)
- Magenta (8%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 93.535, 143.960 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 82, 93.535, 143.960 by changing the saturation by 10% instead.


 82, 93.535,
143.960


 82, 93.535,
143.960


 100, 93.535,
143.960


 72, 93.535,
143.960

 62, 93.535,
143.960

 52, 93.535,
143.960

 42, 93.535,
143.960

 32, 93.535,
143.960

 22, 93.535,
143.960

 12, 93.535,

143.960

■ 2, 93.535, 143.960

■ 0, 93.535, 143.960

■ 82, 93.535,
143.960

■ 82, 93.535,
143.960

■ 82, 93.777,
143.869

■ 82, 87.799,
146.109

■ 83, 81.038,
148.165

■ 83, 73.185,
150.038

■ 84, 64.314,
151.705

■ 85, 54.571,

153.171

■ 86, 44.145,
154.453

■ 88, 33.241,
155.573

■ 89, 22.054,
156.557

■ 91, 10.757,
157.438

Harmonies

Complementary

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



82, 93.535, 143.960



52, 82.366, 352.348

Rectangle

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



82, 93.535, 143.960



82, 93.535, 193.960



82, 93.535, 323.960



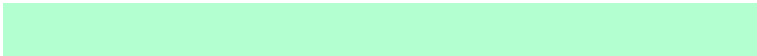
82, 93.535, 13.960

Sweetspot

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



82, 93.535, 143.960



94, 36.020, 155.512



85, 98.791, 123.850



49, 24.507, 155.053



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 93.535, 143.960



88, 99.928, 143.766



84, 52.827, 180.019



48, 6.383, 157.445



65, 76.422, 144.263



19, 30.116, 148.124

Inverse Universe

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



52, 82.366, 352.348



56, 87.514, 352.628



49, 92.824, 35.513



46, 6.433, 338.804



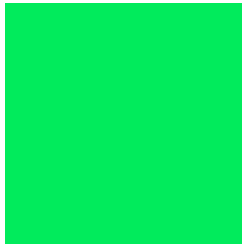
40, 67.929, 351.922



8, 29.977, 347.297

Previews

White Background



This preview shows how the CIELCh color 82, 93.535, 143.960 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 82, 93.535, 143.960 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 82, 93.535, 143.960

Background



This preview shows how black text looks on a background with the CIELCh color 82, 93.535, 143.960.

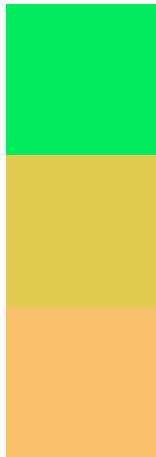


This preview shows how white text looks on a background with the CIELCh color 82, 93.535, 143.960.

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


82, 93.513, 143.946

Protanopia

81, 61.217, 95.332

Deuteranopia

81, 52.023, 78.253



Tritanopia
82, 35.286, 213.092

Trichromacy



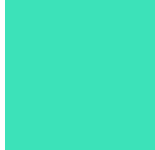
Original Color
82, 93.513, 143.946



Protanomaly
79, 69.880, 128.049



Deuteranomaly
78, 58.751, 125.348



Tritanomaly
81, 51.901, 171.055

Monochromacy



Original Color
82, 93.513, 143.946



Achromatopsia
62, 0.008, 296.813



Achromatomaly
67, 42.080, 153.551

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 93.535, 143.960 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(1, 235, 92)` looks like.

```
.text, #text, p{  
    color:rgb(1, 235, 92)  
}
```

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(1, 235, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 235, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 93.535, 143.960 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(1, 235, 92) }
```

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

```
.border{ border-color:rgb(1, 235, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 235, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 235, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 235, 92);  
box-shadow:4px 4px 4px 4px rgb(1, 235, 92)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 82, 93.535, 143.960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 235, 92) }
```

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

```
.background{ background-color: rgb(1, 235,  
92) }
```

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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