

Converting Colors

CIELCh(80, 88.034, 144.501)

Have a look what the booklet for
CIELCh(80, 88.034, 144.501)
contains.

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Color

CIELCh(80, 87.956, 144.535)

Conversions

Conversions Part 1

Format	Color
Hex	1FE460
RGB	31, 228, 96
RGB Percent	12%, 89%, 38%
CMY	0.8775, 0.1055, 0.6232
CMYK	0.86, 0.00, 0.58, 0.11
HSL	140°, 79%, 51%
HSV	140°, 86%, 89%
XYZ	30.4579, 56.6813, 20.4227
YIQ	154.0490, -75.0400, -82.8160

Conversions

Conversions Part 2

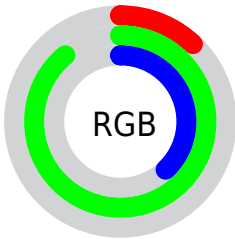
Format	Color
RYB	31, 179, 228
Decimal	2090080
CIELab	80.00, -71.64, 51.03
CIELCh	80, 87.956, 144.535
Yxy	56.6813, 0.2832, 0.5270
Android (android.graphics.Color)	4280280160 (0xFF1FE460)
YUV	154.0490, -28.6182, -107.9140
Hunter-Lab	75.2870, -59.5388, 36.6176

Details

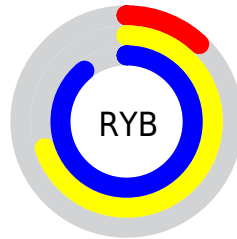
The CIELCh color **80, 87.956, 144.535** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed spring green. A complement of this color would be **52, 81.835, 344.555**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 71.266, 146.874**, and **61, 81.224, 139.736** is the 20% darker color. If you saturate the color by 10%, you get **80, 94.050, 142.502**, and if you desaturate by 10%, it is **80, 80.659, 146.460**.

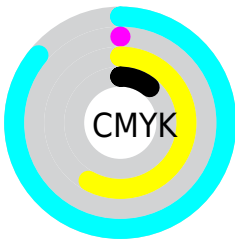
Distribution



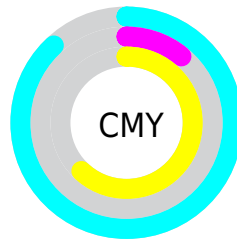
- Red (12%)
- Green (89%)
- Blue (38%)



- Red (12%)
- Yellow (70%)
- Blue (89%)



- Cyan (86%)
- Magenta (0%)
- Yellow (58%)
- Black (11%)





- Cyan (88%)
- Magenta (11%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 87.956, 144.535 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, 87.956, 144.535 by changing the saturation by 10% instead.


 80, 87.956,
144.535

 80, 87.956,
144.535


 100, 87.956,
144.535

 70, 87.956,
144.535


 60, 87.956,
144.535

 50, 87.956,
144.535

 40, 87.956,
144.535

 30, 87.956,
144.535

 20, 87.956,
144.535

 10, 87.956,

144.535

■ 0, 87.956, 144.535

■ 80, 87.956,
144.535

■ 80, 87.956,
144.535

■ 80, 94.050,
142.502

■ 80, 80.659,
146.460

■ 80, 96.063,
141.781

■ 81, 72.214,
148.214

■ 82, 62.753,
149.774

■ 83, 52.465,
151.144

■ 84, 41.562,
152.337

■ 86, 30.262,
153.375

■ 87, 18.759,
154.284

■ 89, 7.220, 155.105

■ 91, 4.224, 335.654

Harmonies

Complementary

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



80, 87.956, 144.535



52, 81.835, 344.555

Rectangle

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



80, 87.956, 144.535



80, 87.956, 194.535



80, 87.956, 324.535



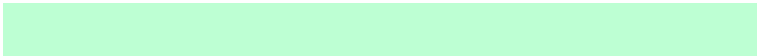
80, 87.956, 14.535

Sweetspot

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



80, 87.956, 144.535



95, 32.748, 153.389



84, 89.812, 119.601



50, 22.174, 153.043



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, 87.956, 144.535



88, 104.831, 141.647



82, 53.222, 174.676



47, 6.553, 154.849



64, 79.325, 142.135



17, 30.499, 146.086

Inverse Universe

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



52, 81.835, 344.555



56, 90.315, 347.618



49, 78.504, 24.391



45, 6.592, 336.131



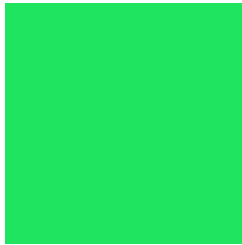
39, 69.403, 347.046



7, 29.999, 343.302

Previews

White Background



This preview shows how the CIE LCh color 80, 87.956, 144.535 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, 87.956, 144.535 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, 87.956, 144.535

Background



This preview shows how black text looks on a background with the CIELCh color 80, 87.956, 144.535.

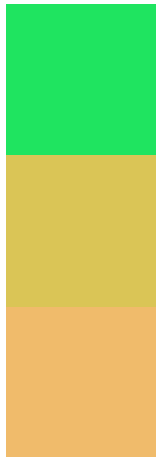


This preview shows how white text looks on a background with the CIELCh color 80, 87.956, 144.535.

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, 87.956, 144.535

Protanopia
79, 57.278, 95.807

Deuteranopia
79, 48.444, 77.985



Tritanopia
80, 34.073, 212.838

Trichromacy



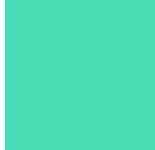
Original Color
80, 87.956, 144.535



Protanomaly
77, 64.165, 126.224



Deuteranomaly
77, 53.330, 122.448



Tritanomaly
79, 48.087, 171.767

Monochromacy



Original Color
80, 87.956, 144.535



Achromatopsia
64, 0.008, 296.813



Achromatomaly
68, 37.532, 152.167

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 87.956, 144.535 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(31, 228, 96)` looks like.

```
.text, #text, p{  
    color:rgb(31, 228, 96)  
}
```

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(31, 228, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 228, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 87.956, 144.535 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(31, 228, 96) }
```

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

```
.border{ border-color:rgb(31, 228, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 228, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 228, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 228, 96);  
box-shadow:4px 4px 4px 4px rgb(31, 228,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 87.956, 144.535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 228, 96) }
```

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

```
.background{ background-color: rgb(31, 228,  
96) }
```

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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