

Converting Colors

CIELCh(83, 71.238, 154.626)

Have a look what the booklet for
CIELCh(83, 71.238, 154.626)
contains.

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Color

CIELCh(83, 71.426, 154.515)

Conversions

Conversions Part 1

Format	Color
Hex	30EB92
RGB	48, 235, 146
RGB Percent	19%, 92%, 57%
CMY	0.8113, 0.0782, 0.4272
CMYK	0.80, 0.00, 0.38, 0.08
HSL	151°, 82%, 56%
HSV	151°, 80%, 92%
XYZ	36.1449, 62.1629, 37.3123
YIQ	168.9410, -82.8830, -67.3230

Conversions

Conversions Part 2

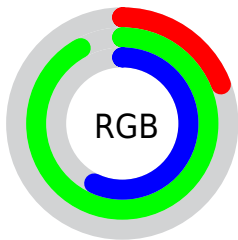
Format	Color
RYB	48, 171, 235
Decimal	3206034
CIELab	83.00, -64.48, 30.73
CIELCh	83, 71.426, 154.515
Yxy	62.1629, 0.2665, 0.4584
Android (android.graphics.Color)	4281396114 (0xFF30EB92)
YUV	168.9410, -11.3099, -106.0653
Hunter-Lab	78.8435, -56.1449, 27.1317

Details

The CIELCh color **83, 71.426, 154.515** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **54, 74.346, 357.129**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 50.749, 162.958**, and **64, 65.927, 150.668** is the 20% darker color. If you saturate the color by 10%, you get **83, 77.162, 152.379**, and if you desaturate by 10%, it is **84, 64.734, 156.438**.

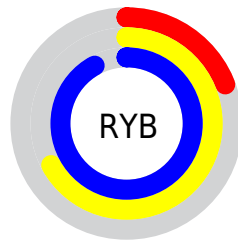
Distribution



Red (19%)

Green (92%)

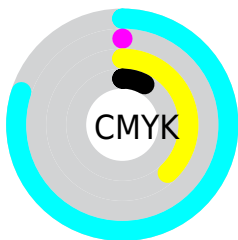
Blue (57%)



Red (19%)

Yellow (67%)

Blue (92%)

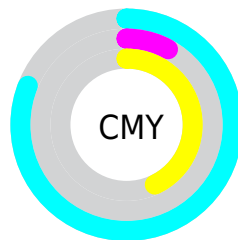


Cyan (80%)

Magenta (0%)

Yellow (38%)

Black (8%)



Cyan (81%)


Magenta (8%)


Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 71.426, 154.515 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 83, 71.426, 154.515 by changing the saturation by 10% instead.


 83, 71.426,
154.515


 83, 71.426,
154.515


 100, 71.426,
154.515


 73, 71.426,
154.515

 63, 71.426,
154.515

 53, 71.426,
154.515

 43, 71.426,
154.515

 33, 71.426,
154.515

 23, 71.426,
154.515

 13, 71.426,

154.515

■ 3, 71.426, 154.515

■ 0, 71.426, 154.515

■ 83, 71.426,
154.515

■ 83, 71.426,
154.515

■ 83, 77.162,
152.379

■ 84, 64.734,
156.438

■ 82, 82.070,
150.098

■ 84, 57.108,
158.145

■ 82, 82.294,
149.993

■ 85, 48.650,
159.653

■ 86, 39.510,
160.985

■ 88, 29.861,

162.166

■ 89, 19.877,
163.222

■ 91, 9.716, 164.189

■ 93, 0.490, 344.039

■ 95, 9.306, 339.742

Harmonies

Complementary

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



83, 71.426, 154.515



54, 74.346, 357.129

Rectangle

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



83, 71.426, 154.515



83, 71.426, 204.515



83, 71.426, 334.515



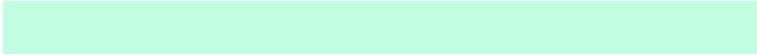
83, 71.426, 24.515

Sweetspot

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



83, 71.427, 154.515



95, 26.035, 162.752



85, 93.112, 127.065



50, 17.840, 162.369



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 71.427, 154.515



89, 85.210, 151.034



84, 44.027, 198.733



48, 5.784, 164.195



65, 67.106, 150.413



19, 26.598, 154.404

Inverse Universe

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



54, 74.346, 357.129



55, 83.830, 3.032



52, 82.557, 34.466



46, 5.866, 345.724



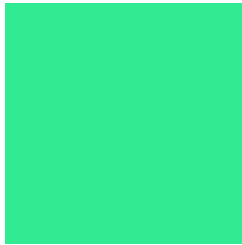
39, 65.349, 4.211



8, 28.399, 357.050

Previews

White Background



This preview shows how the CIELCh color 83, 71.426, 154.515 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 83, 71.426, 154.515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

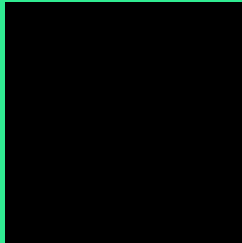
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

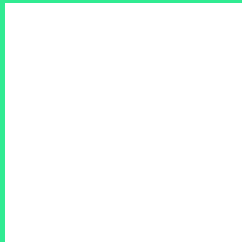
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 71.426, 154.515

Background



This preview shows how black text looks on a background with the CIELCh color 83, 71.426, 154.515.

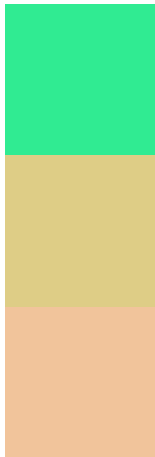


This preview shows how white text looks on a background with the CIELCh color 83, 71.426, 154.515.

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
83, 71.426, 154.515

Protanopia
82, 37.694, 96.145

Deuteranopia
82, 28.625, 68.527



Tritanopia
83, 35.900, 212.747

Trichromacy



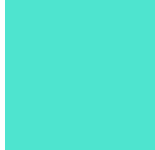
Original Color
83, 71.426, 154.515



Protanomaly
81, 46.194, 134.873



Deuteranomaly
80, 34.021, 133.574



Tritanomaly
83, 44.195, 181.760

Monochromacy



Original Color
83, 71.426, 154.515



Achromatopsia
69, 0.009, 296.813



Achromatomaly
73, 30.058, 161.858

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 71.426, 154.515 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(48, 235, 146)` looks like.

```
.text, #text, p{  
    color:rgb(48, 235, 146)  
}
```

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(48, 235, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 235, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 71.426, 154.515 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(48, 235, 146) }
```

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

```
.border{ border-color:rgb(48, 235, 146) }
```

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

Here you see how a box with a 4 pixel rgb(48, 235, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 235, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 235, 146);  
box-shadow:4px 4px 4px 4px rgb(48, 235,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 71.426, 154.515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 235, 146) }
```

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

```
.background{ background-color: rgb(48, 235,  
146) }
```

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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