

Converting Colors

CIELCh(86, 115.382, 135.765)

Have a look what the booklet for
CIELCh(86, 115.382, 135.765)
contains.

CIELCh(86, 115.531, 135.762)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(86, 115.531, 135.762)

Conversions

Conversions Part 1

Format	Color
Hex	22F90F
RGB	34, 249, 15
RGB Percent	13%, 98%, 6%
CMY	0.8653, 0.0244, 0.9397
CMYK	0.86, 0.00, 0.94, 0.02
HSL	115°, 95%, 52%
HSV	115°, 94%, 98%
XYZ	34.5626, 67.9871, 11.7664
YIQ	158.0390, -53.0260, -118.3540

Conversions

Conversions Part 2

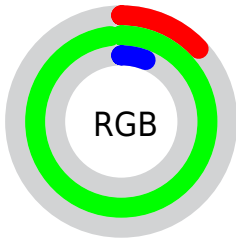
Format	Color
RYB	15, 249, 230
Decimal	2291983
CIELab	86.00, -82.77, 80.60
CIELCh	86, 115.531, 135.762
Yxy	67.9871, 0.3023, 0.5947
Android (android.graphics.Color)	4280482063 (0xFF22F90F)
YUV	158.0390, -70.5182, -108.7822
Hunter-Lab	82.4543, -69.4726, 49.2572

Details

The CIELCh color **86, 115.531, 135.762** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **56, 112.764, 325.139**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 90.489, 135.312**, and **67, 96.381, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **86, 117.120, 135.748**, and if you desaturate by 10%, it is **86, 110.772, 135.984**.

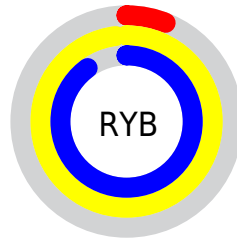
Distribution



Red (13%)

Green (98%)

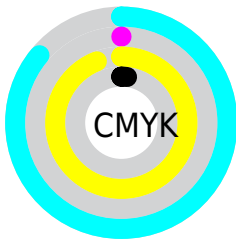
Blue (6%)



Red (6%)

Yellow (98%)

Blue (90%)

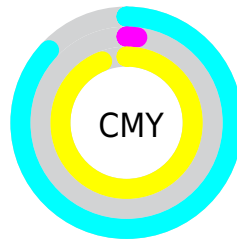


Cyan (86%)

Magenta (0%)

Yellow (94%)

Black (2%)



Cyan (87%)


Magenta (2%)


Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 115.531, 135.762 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 86, 115.531, 135.762 by changing the saturation by 10% instead.


 86, 115.531,
135.762


 86, 115.531,
135.762


 100, 115.531,
135.762


 76, 115.531,
135.762


 66, 115.531,
135.762

 56, 115.531,
135.762

 46, 115.531,
135.762

 36, 115.531,
135.762

 26, 115.531,
135.762

 16, 115.531,

135.762

■ 6, 115.531,
135.762

■ 0, 115.531,
135.762

■ 86, 115.531,
135.762

■ 86, 115.531,
135.762

■ 86, 117.120,
135.748

■ 86, 110.772,
135.984

■ 87, 102.921,
136.560

■ 88, 92.443,
137.376

■ 89, 79.989,
138.292

■ 90, 66.173,
139.206

■ 91, 51.495,
140.058

■ 93, 36.348,
140.820

■ 95, 21.032,
141.488

■ 97, 5.768, 142.093

Harmonies

Complementary

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



86, 115.531, 135.762



56, 112.764, 325.139

Rectangle

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



86, 115.531, 135.762



86, 115.531, 185.762



86, 115.531, 315.762



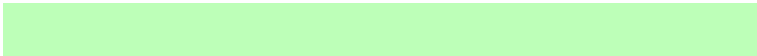
86, 115.531, 5.762

Sweetspot

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



86, 115.530, 135.763



94, 43.584, 140.510



90, 88.576, 97.523



50, 30.051, 140.175



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 115.530, 135.763



88, 119.346, 135.753



86, 92.167, 146.249



51, 8.663, 141.751



67, 95.062, 135.670



22, 41.807, 135.889

Inverse Universe

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



56, 112.764, 325.139



57, 116.164, 325.007



55, 84.704, 353.014



49, 8.689, 322.694



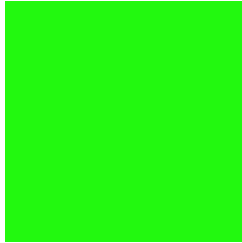
42, 92.620, 325.064



10, 41.870, 325.456

Previews

White Background



This preview shows how the CIELCh color 86, 115.531, 135.762 looks on a white background.

Color Contrast Check

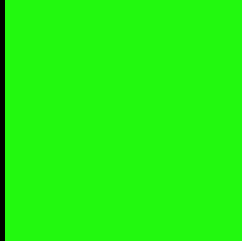
Large Text (above 18pt) WCAG AA × Fail

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 86, 115.531, 135.762 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

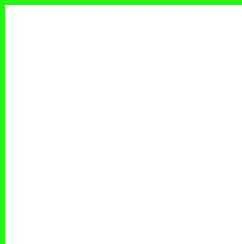
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 115.531, 135.762

Background



This preview shows how black text looks on a background with the CIELCh color 86, 115.531, 135.762.



This preview shows how white text looks on a background with the CIELCh color 86, 115.531, 135.762.

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

86, 115.664, 135.763

Protanopia

85, 85.488, 94.903

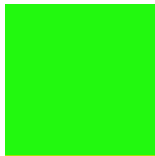
Deuteranopia

85, 48.809, 80.645



Tritanopia
86, 35.071, 214.033

Trichromacy



Original Color

86, 115.664, 135.763



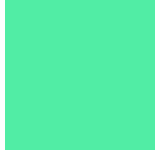
Protanomaly

83, 92.082, 118.684



Deuteranomaly

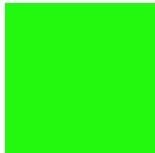
83, 70.339, 119.946



Tritanomaly

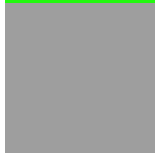
85, 61.576, 157.877

Monochromacy



Original Color

86, 115.664, 135.763



Achromatopsia

65, 0.008, 296.813



Achromatomaly

71, 54.210, 139.183

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 115.531, 135.762 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(34, 249, 15)` looks like.

```
.text, #text, p{  
    color:rgb(34, 249, 15)  
}
```

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(34, 249, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 249, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 115.531, 135.762 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(34, 249, 15) }
```

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

```
.border{ border-color:rgb(34, 249, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 249, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 249, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 249, 15);  
box-shadow:4px 4px 4px 4px rgb(34, 249,  
15) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 115.531, 135.762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 249, 15) }
```

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

```
.background{ background-color: rgb(34, 249,  
15) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor