

Converting Colors

CIELCh(87, 111.613, 136.827)

Have a look what the booklet for
CIELCh(87, 111.613, 136.827)
contains.

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Color

CIELCh(87, 111.496, 136.788)

Conversions

Conversions Part 1

Format	Color
Hex	30FB2D
RGB	48, 251, 45
RGB Percent	19%, 98%, 18%
CMY	0.8131, 0.0144, 0.8219
CMYK	0.81, 0.00, 0.82, 0.01
HSL	119°, 97%, 58%
HSV	119°, 82%, 99%
XYZ	36.2816, 70.0064, 14.1250
YIQ	166.8190, -54.8620, -107.1020

Conversions

Conversions Part 2

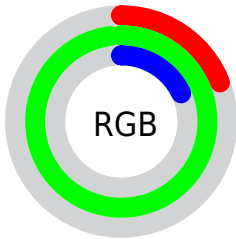
Format	Color
RYB	45, 251, 248
Decimal	3210029
CIELab	87.00, -81.26, 76.34
CIELCh	87, 111.496, 136.788
Yxy	70.0064, 0.3013, 0.5814
Android (android.graphics.Color)	4281400109 (0xFF30FB2D)
YUV	166.8190, -60.0568, -104.2043
Hunter-Lab	83.6698, -69.0195, 48.5596

Details

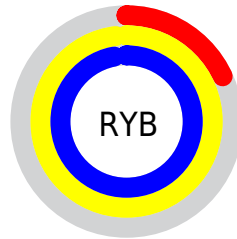
The CIELCh color **87, 111.496, 136.788** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **61, 108.589, 327.682**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 84.539, 136.509**, and **68, 97.132, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **87, 116.487, 136.215**, and if you desaturate by 10%, it is **88, 103.334, 137.685**.

Distribution



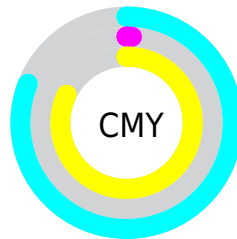
- Red (19%)
- Green (98%)
- Blue (18%)



- Red (18%)
- Yellow (98%)
- Blue (97%)



- Cyan (81%)
- Magenta (0%)
- Yellow (82%)
- Black (1%)



- Cyan (81%)
- Magenta (1%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 111.496, 136.788 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 87, 111.496, 136.788 by changing the saturation by 10% instead.

 87, 111.496,
136.788

 87, 111.496,
136.788


 100, 111.496,
136.788


 77, 111.496,
136.788


 67, 111.496,
136.788

 57, 111.496,
136.788

 47, 111.496,
136.788

 37, 111.496,
136.788

 27, 111.496,
136.788

 17, 111.496,

136.788

■ 7, 111.496,
136.788

■ 0, 111.496,
136.788

■ 87, 111.496,
136.788

■ 87, 111.496,
136.788

■ 87, 116.487,
136.215

■ 88, 103.334,
137.685

■ 87, 118.417,
135.985

■ 88, 92.492,
138.761

■ 89, 79.624,
139.877

■ 91, 65.342,
140.938

92, 50.167,
141.895

94, 34.514,
142.732

96, 18.709,
143.456

98, 2.991, 144.149

99, 2.291, 324.387

Harmonies

Complementary

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



87, 111.496, 136.788



61, 108.589, 327.682

Rectangle

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



87, 111.496, 136.788



87, 111.496, 186.788



87, 111.496, 316.788



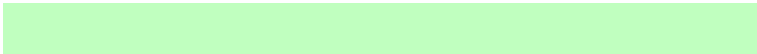
87, 111.496, 6.788

Sweetspot

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



87, 111.496, 136.789



95, 39.822, 142.486



95, 88.978, 102.351



50, 27.153, 142.192



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 111.496, 136.789



88, 119.322, 136.040



88, 79.988, 151.879



51, 8.863, 143.617



67, 95.457, 135.972



21, 42.384, 136.902

Inverse Universe

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



61, 108.589, 327.682



60, 115.282, 327.791



57, 80.453, 354.762



49, 8.878, 324.650



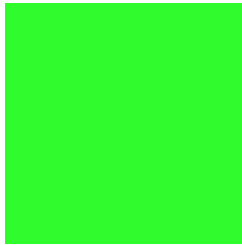
44, 92.198, 327.802



11, 41.712, 327.856

Previews

White Background



This preview shows how the CIELCh color 87, 111.496, 136.788 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 87, 111.496, 136.788 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 87, 111.496, 136.788

Background



This preview shows how black text looks on a background with the CIELCh color 87, 111.496, 136.788.

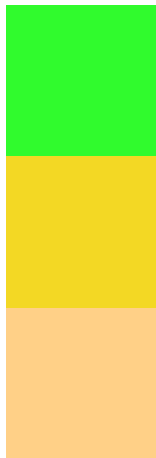


This preview shows how white text looks on a background with the CIELCh color 87, 111.496, 136.788.

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

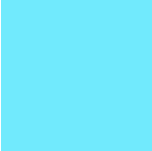
87, 111.430, 136.746

Protanopia

86, 81.642, 94.964

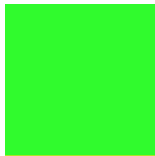
Deuteranopia

86, 43.027, 79.802



Tritanopia
87, 34.766, 214.175

Trichromacy



Original Color

87, 111.430, 136.746



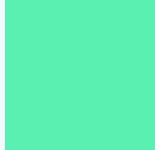
Protanomaly

84, 87.924, 118.665



Deuteranomaly

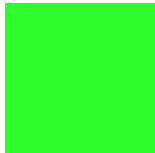
84, 63.518, 121.300



Tritanomaly

86, 57.196, 161.282

Monochromacy



Original Color

87, 111.430, 136.746



Achromatopsia

68, 0.008, 296.813



Achromatomaly

74, 48.834, 141.336

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 111.496, 136.788 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, 251, 45)` looks like.

```
.text, #text, p{  
    color:rgb(48, 251, 45)  
}
```

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, 251, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 251, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 111.496, 136.788 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, 251, 45) }
```

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

```
.border{ border-color:rgb(48, 251, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 251, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 251, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 251, 45);  
box-shadow:4px 4px 4px 4px rgb(48, 251,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 111.496, 136.788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 251, 45) }
```

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

```
.background{ background-color: rgb(48, 251,  
45) }
```

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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