

Converting Colors

CIELCh(87, 111.428, 135.084)

Have a look what the booklet for
CIELCh(87, 111.428, 135.084)
contains.

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Color

CIELCh(87, 111.227, 135.036)

Conversions

Conversions Part 1

Format	Color
Hex	45FA24
RGB	69, 250, 36
RGB Percent	27%, 98%, 14%
CMY	0.7309, 0.0180, 0.8601
CMYK	0.73, 0.00, 0.86, 0.02
HSL	111°, 96%, 56%
HSV	111°, 86%, 98%
XYZ	37.0560, 70.0064, 13.2006
YIQ	171.4850, -39.1820, -104.9260

Conversions

Conversions Part 2

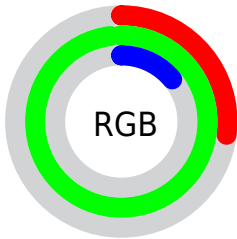
Format	Color
RYB	36, 250, 217
Decimal	4586020
CIELab	87.00, -78.70, 78.60
CIELCh	87, 111.227, 135.036
Yxy	70.0064, 0.3081, 0.5821
Android (android.graphics.Color)	4282776100 (0xFF45FA24)
YUV	171.4850, -66.7941, -89.8793
Hunter-Lab	83.6698, -67.3674, 49.2147

Details

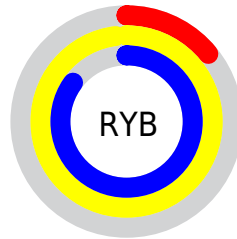
The CIELCh color **87, 111.227, 135.036** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **55, 110.821, 322.751**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 84.436, 133.810**, and **68, 96.757, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **87, 115.755, 135.172**, and if you desaturate by 10%, it is **88, 103.666, 135.292**.

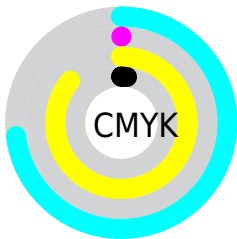
Distribution



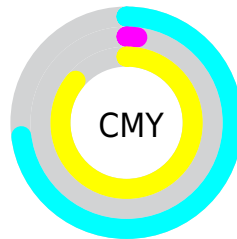
- Red (27%)
- Green (98%)
- Blue (14%)



- Red (14%)
- Yellow (98%)
- Blue (85%)



- Cyan (73%)
- Magenta (0%)
- Yellow (86%)
- Black (2%)





- Cyan (73%)
- Magenta (2%)
- Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 111.227, 135.036 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, 111.227, 135.036 by changing the saturation by 10% instead.


 87, 111.227,
135.036


 87, 111.227,
135.036


 100, 111.227,
135.036


 77, 111.227,
135.036


 67, 111.227,
135.036

 57, 111.227,
135.036

 47, 111.227,
135.036

 37, 111.227,
135.036

 27, 111.227,
135.036

 17, 111.227,

135.036

■ 7, 111.227,
135.036

■ 0, 111.227,
135.036

■ 87, 111.227,
135.036

■ 87, 111.227,
135.036

■ 87, 115.755,
135.172

■ 88, 103.666,
135.292

■ 87, 116.963,
135.280

■ 88, 93.485,
135.846

■ 89, 81.332,
136.563

■ 90, 67.824,
137.331

■ 92, 53.459,
138.078

■ 93, 38.618,
138.768

■ 95, 23.585,
139.385

■ 97, 8.569, 139.939

■ 99, 2.853, 324.433

Harmonies

Complementary

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



87, 111.227, 135.036



55, 110.821, 322.751

Rectangle

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



87, 111.227, 135.036



87, 111.227, 185.036



87, 111.227, 315.036



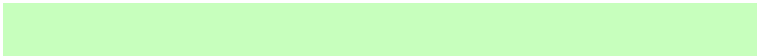
87, 111.227, 5.036

Sweetspot

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



87, 111.227, 135.037



95, 39.556, 138.750



86, 82.011, 92.262



50, 26.802, 138.519



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, 111.227, 135.037



88, 118.592, 135.286



87, 94.018, 144.697



51, 8.467, 139.736



67, 94.399, 135.152



22, 41.247, 134.847

Inverse Universe

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



55, 110.821, 322.751



54, 117.076, 322.257



57, 87.585, 344.799



49, 8.505, 320.604



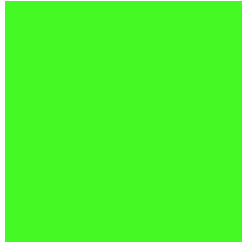
40, 93.327, 322.360



10, 42.128, 323.071

Previews

White Background



This preview shows how the CIELCh color 87, 111.227, 135.036 looks on a white background.

Color Contrast Check

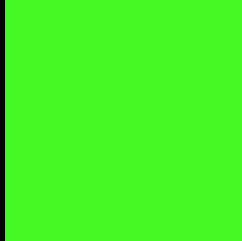
Large Text (above 18pt) WCAG AA × Fail

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, 111.227, 135.036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

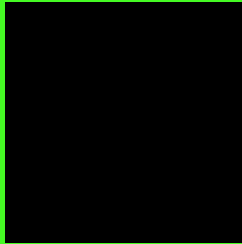
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 111.227, 135.036

Background



This preview shows how black text looks on a background with the CIELCh color 87, 111.227, 135.036.

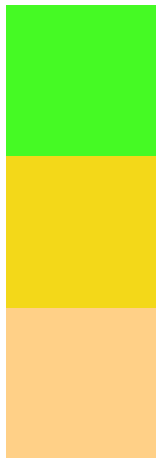


This preview shows how white text looks on a background with the CIELCh color 87, 111.227, 135.036.

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, 110.970, 135.028

Protanopia

86, 83.702, 94.987

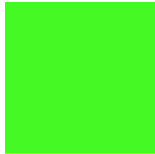
Deuteranopia

86, 43.027, 79.802



Tritanopia
87, 32.826, 215.317

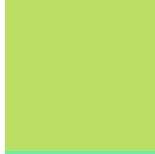
Trichromacy



Original Color
87, 110.970, 135.028



Protanomaly
85, 88.948, 116.286

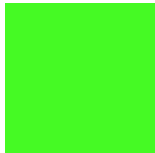


Deuteranomaly
84, 63.511, 118.336

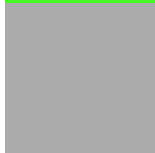


Tritanomaly
86, 56.160, 158.065

Monochromacy



Original Color
87, 110.970, 135.028



Achromatopsia
70, 0.009, 296.813



Achromatomaly
75, 49.085, 137.898

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 111.227, 135.036 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(69, 250, 36)` looks like.

```
.text, #text, p{  
    color:rgb(69, 250, 36)  
}
```

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(69, 250, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 250, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 111.227, 135.036 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(69, 250, 36) }
```

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

```
.border{ border-color:rgb(69, 250, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 250, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 250, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 250, 36);  
box-shadow:4px 4px 4px 4px rgb(69, 250,  
36) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 111.227, 135.036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 250, 36) }
```

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

```
.background{ background-color: rgb(69, 250,  
36) }
```

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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