

Converting Colors

CIELCh(88, 111.060, 136.699)

Have a look what the booklet for
CIELCh(88, 111.060, 136.699)
contains.

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Color

CIELCh(88, 110.952, 136.679)

Conversions

Conversions Part 1

Format	Color
Hex	39FE32
RGB	57, 254, 50
RGB Percent	22%, 100%, 20%
CMY	0.7756, 0.0034, 0.8033
CMYK	0.77, 0.00, 0.80, 0.00
HSL	118°, 99%, 60%
HSV	118°, 80%, 100%
XYZ	37.7571, 72.0653, 14.9539
YIQ	171.8410, -51.9280, -105.2080

Conversions

Conversions Part 2

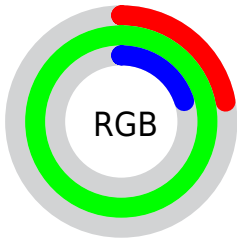
Format	Color
R _{YB}	50, 254, 247
Decimal	3800626
CIE Lab	88.00, -80.72, 76.12
CIE LCh	88, 110.952, 136.679
Yxy	72.0653, 0.3026, 0.5776
Android (android.graphics.Color)	4281990706 (0xFF39FE32)
YUV	171.8410, -60.0676, -100.7156
Hunter-Lab	84.8913, -69.1683, 48.9797

Details

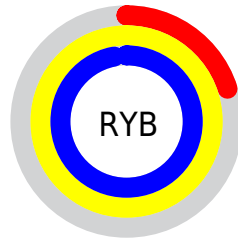
The CIELCh color **88, 110.952, 136.679** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **61, 108.509, 326.842**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 82.235, 136.371**, and **69, 98.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 116.657, 136.143**, and if you desaturate by 10%, it is **89, 102.136, 137.526**.

Distribution



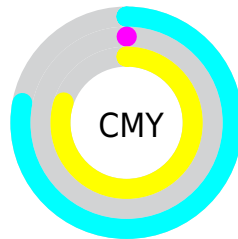
- Red (22%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (97%)



- Cyan (77%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (78%)
- Magenta (0%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 110.952, 136.679 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 88, 110.952, 136.679 by changing the saturation by 10% instead.


 88, 110.952,
136.679


 88, 110.952,
136.679


 100, 110.952,
136.679


 78, 110.952,
136.679


 68, 110.952,
136.679

 58, 110.952,
136.679

 48, 110.952,
136.679

 38, 110.952,
136.679

 28, 110.952,
136.679

 18, 110.952,

136.679

■ 8, 110.952,
136.679

■ 0, 110.952,
136.679

■ 88, 110.952,
136.679

■ 88, 110.952,
136.679

■ 88, 116.657,
136.143

■ 89, 102.136,
137.526

■ 87, 119.307,
135.920

■ 89, 90.770,
138.539

■ 90, 77.518,
139.587

■ 92, 62.982,
140.582

■ 93, 47.655,
141.479

■ 95, 31.930,
142.267

■ 97, 16.105,
142.949

■ 100, 0.401,
144.251

■ 100, 0.555,
323.903

Harmonies

Complementary

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



88, 110.952, 136.679



61, 108.509, 326.842

Rectangle

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



88, 110.952, 136.679



88, 110.952, 186.679



88, 110.952, 316.679



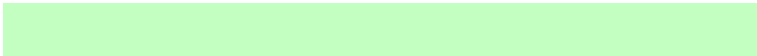
88, 110.952, 6.679

Sweetspot

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



88, 110.952, 136.680



95, 37.937, 141.985



94, 86.673, 100.529



50, 26.054, 141.703



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 110.952, 136.680



88, 118.773, 136.005



89, 82.112, 150.620



52, 8.942, 142.997



68, 96.292, 135.879



22, 43.540, 136.299

Inverse Universe

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



61, 108.509, 326.842



59, 115.066, 326.871



58, 81.544, 351.790



50, 8.960, 324.001



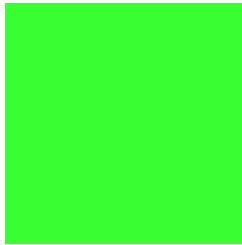
44, 93.238, 326.868



12, 42.884, 327.031

Previews

White Background



This preview shows how the CIELCh color 88, 110.952, 136.679 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 88, 110.952, 136.679 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 88, 110.952, 136.679

Background



This preview shows how black text looks on a background with the CIELCh color 88, 110.952, 136.679.

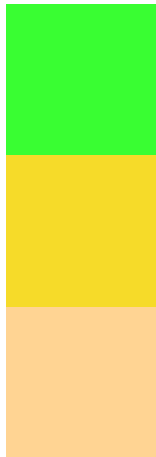


This preview shows how white text looks on a background with the CIELCh color 88, 110.952, 136.679.

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


88, 110.952, 136.679

Protanopia

87, 81.488, 95.058

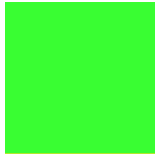
Deuteranopia

87, 38.355, 79.891



Tritanopia
88, 33.655, 214.789

Trichromacy



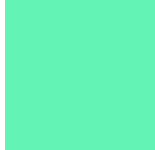
Original Color
88, 110.952, 136.679



Protanomaly
86, 87.509, 118.249

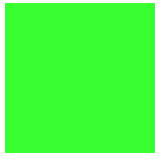


Deuteranomaly
85, 60.411, 122.318

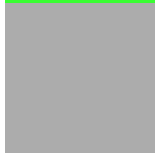


Tritanomaly
87, 56.220, 160.806

Monochromacy



Original Color
88, 110.952, 136.679



Achromatopsia
70, 0.009, 296.813



Achromatomaly
75, 47.844, 141.138

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 110.952, 136.679 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(57, 254, 50)` looks like.

```
.text, #text, p{  
    color:rgb(57, 254, 50)  
}
```

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(57, 254, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 254, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 110.952, 136.679 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(57, 254, 50) }
```

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

```
.border{ border-color:rgb(57, 254, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 254, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 254, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 254, 50);  
box-shadow:4px 4px 4px 4px rgb(57, 254,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 110.952, 136.679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 254, 50) }
```

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

```
.background{ background-color: rgb(57, 254,  
50) }
```

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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