

Converting Colors

CIELCh(88, 110.429, 136.282)

Have a look what the booklet for
CIELCh(88, 110.429, 136.282)
contains.

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Color

CIELCh(88, 110.375, 136.298)

Conversions

Conversions Part 1

Format	Color
Hex	40FE32
RGB	64, 254, 50
RGB Percent	25%, 100%, 20%
CMY	0.7503, 0.0047, 0.8048
CMYK	0.75, 0.00, 0.80, 0.00
HSL	116°, 99%, 60%
HSV	116°, 80%, 100%
XYZ	38.0429, 72.0653, 14.8947
YIQ	173.9340, -47.7560, -103.7240

Conversions

Conversions Part 2

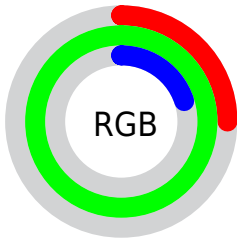
Format	Color
RYB	50, 254, 240
Decimal	4259378
CIELab	88.00, -79.79, 76.26
CIELCh	88, 110.375, 136.298
Yxy	72.0653, 0.3043, 0.5765
Android (android.graphics.Color)	4282449458 (0xFF40FE32)
YUV	173.9340, -61.0995, -96.4121
Hunter-Lab	84.8913, -68.5673, 49.0211

Details

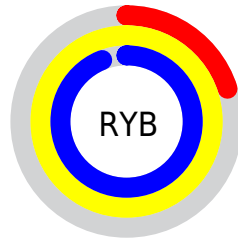
The CIELCh color **88, 110.375, 136.298** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **60, 108.484, 325.695**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 81.576, 135.712**, and **69, 98.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 116.217, 135.900**, and if you desaturate by 10%, it is **89, 101.477, 137.019**.

Distribution



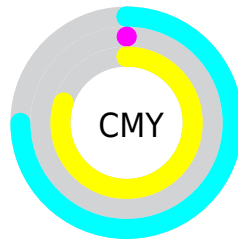
- Red (25%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (94%)



- Cyan (75%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (75%)
- Magenta (0%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 110.375, 136.298 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, 110.375, 136.298 by changing the saturation by 10% instead.


 88, 110.375,
136.298


 88, 110.375,
136.298


 100, 110.375,
136.298


 78, 110.375,
136.298


 68, 110.375,
136.298

 58, 110.375,
136.298

 48, 110.375,
136.298

 38, 110.375,
136.298

 28, 110.375,
136.298

 18, 110.375,

136.298

■ 8, 110.375,
136.298

■ 0, 110.375,
136.298

■ 88, 110.375,
136.298

■ 88, 110.375,
136.298

■ 88, 116.217,
135.900

■ 89, 101.477,
137.019

■ 87, 119.013,
135.809

■ 89, 90.095,
137.923

■ 90, 76.895,
138.882

■ 92, 62.471,
139.807

■ 93, 47.299,
140.651

■ 95, 31.753,
141.398

■ 97, 16.116,
142.049

■ 99, 0.595, 143.067

■ 100, 0.750,
324.055

Harmonies

Complementary

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



88, 110.375, 136.298



60, 108.484, 325.695

Rectangle

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



88, 110.375, 136.298



88, 110.375, 186.298



88, 110.375, 316.298



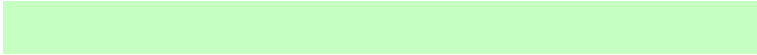
88, 110.375, 6.298

Sweetspot

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



88, 110.375, 136.299



95, 37.526, 141.140



92, 84.641, 98.498



50, 25.774, 140.872



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, 110.375, 136.299



88, 118.508, 135.843



89, 84.666, 149.098



52, 8.845, 142.103



68, 96.109, 135.740



23, 43.270, 135.835

Inverse Universe

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



60, 108.484, 325.695



58, 115.297, 325.586



58, 82.785, 349.410



50, 8.869, 323.064



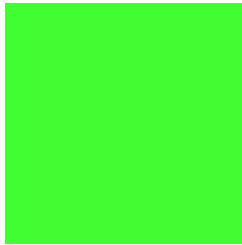
43, 93.452, 325.562



11, 42.966, 325.879

Previews

White Background



This preview shows how the CIELCh color 88, 110.375, 136.298 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, 110.375, 136.298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

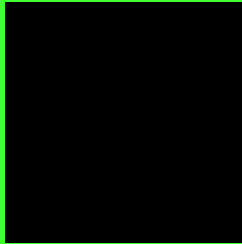
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 110.375, 136.298

Background



This preview shows how black text looks on a background with the CIELCh color 88, 110.375, 136.298.

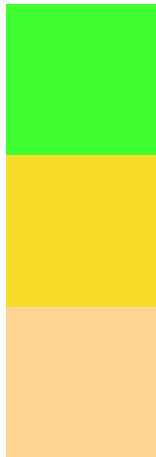


This preview shows how white text looks on a background with the CIELCh color 88, 110.375, 136.298.

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, 110.375, 136.298

Protanopia

87, 81.488, 95.058

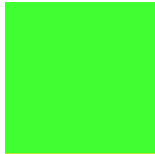
Deuteranopia

87, 38.355, 79.891



Tritanopia
88, 33.459, 214.904

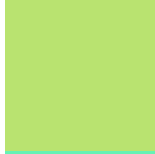
Trichromacy



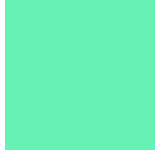
Original Color
88, 110.375, 136.298



Protanomaly
86, 87.174, 117.516

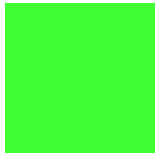


Deuteranomaly
85, 60.170, 121.626

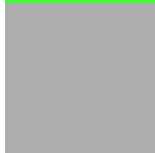


Tritanomaly
87, 55.546, 160.336

Monochromacy



Original Color
88, 110.375, 136.298



Achromatopsia
71, 0.009, 296.813



Achromatomaly
76, 47.205, 140.206

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 110.375, 136.298 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(64, 254, 50)` looks like.

```
.text, #text, p{  
    color:rgb(64, 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(64, 254, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 254, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 110.375, 136.298 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(64, 254, 50) }
```

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

```
.border{ border-color:rgb(64, 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(64, 254, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 254, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 254, 50);  
box-shadow:4px 4px 4px 4px rgb(64, 254,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 110.375, 136.298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 254, 50) }
```

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

```
.background{ background-color: rgb(64, 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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