

Converting Colors

CIELCh(88, 113.117, 136.682)

Have a look what the booklet for
CIELCh(88, 113.117, 136.682)
contains.

CIELCh(88, 113.264, 136.695)	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(88, 113.264, 136.695)

Conversions

Conversions Part 1

Format	Color
Hex	2EFF2C
RGB	46, 255, 44
RGB Percent	18%, 100%, 17%
CMY	0.8186, 0.0013, 0.8292
CMYK	0.82, 0.00, 0.83, 0.00
HSL	119°, 100%, 58%
HSV	119°, 83%, 100%
XYZ	37.2345, 72.0653, 14.2846
YIQ	168.4550, -56.8330, -109.9290

Conversions

Conversions Part 2

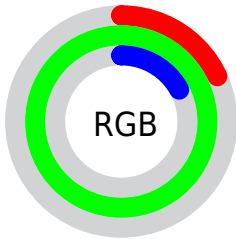
Format	Color
RYB	44, 255, 253
Decimal	3079980
CIELab	88.00, -82.42, 77.69
CIELCh	88, 113.264, 136.695
Yxy	72.0653, 0.3013, 0.5831
Android (android.graphics.Color)	4281270060 (0xFF2EFF2C)
YUV	168.4550, -61.3563, -107.3930
Hunter-Lab	84.8913, -70.2671, 49.4472

Details

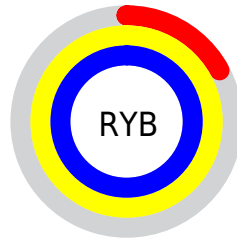
The CIELCh color **88, 113.264, 136.695** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **61, 110.254, 327.626**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 84.539, 136.509**, and **69, 98.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 117.978, 136.169**, and if you desaturate by 10%, it is **88, 105.317, 137.557**.

Distribution



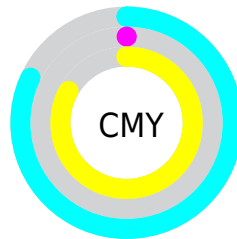
- Red (18%)
- Green (100%)
- Blue (17%)



- Red (17%)
- Yellow (100%)
- Blue (99%)



- Cyan (82%)
- Magenta (0%)
- Yellow (83%)
- Black (0%)





- Cyan (82%)
- Magenta (0%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 113.264, 136.695 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, 113.264, 136.695 by changing the saturation by 10% instead.


 88, 113.264,
136.695


 88, 113.264,
136.695


 100, 113.264,
136.695


 78, 113.264,
136.695


 68, 113.264,
136.695

 58, 113.264,
136.695

 48, 113.264,
136.695

 38, 113.264,
136.695

 28, 113.264,
136.695

 18, 113.264,

136.695

■ 8, 113.264,
136.695

■ 0, 113.264,
136.695

■ 88, 113.264,
136.695

■ 88, 113.264,
136.695

■ 88, 117.978,
136.169

■ 88, 105.317,
137.557

■ 88, 119.598,
135.980

■ 89, 94.601,
138.616

■ 90, 81.771,
139.728

■ 91, 67.458,
140.793

■ 93, 52.196,
141.759

■ 95, 36.417,
142.606

■ 97, 20.455,
143.338

■ 99, 4.561, 144.006

100, 0.221,
323.051

Harmonies

Complementary

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



88, 113.264, 136.695



61, 110.254, 327.626

Rectangle

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



88, 113.264, 136.695



88, 113.264, 186.695



88, 113.264, 316.695



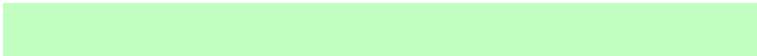
88, 113.264, 6.695

Sweetspot

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



88, 113.264, 136.696



95, 39.797, 142.438



96, 90.431, 102.303



50, 27.136, 142.145



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, 113.264, 136.696



88, 119.516, 136.007



89, 81.480, 151.662



52, 9.005, 143.564



68, 96.407, 135.965



22, 43.718, 136.599

Inverse Universe

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



61, 110.254, 327.626



60, 115.461, 327.713



57, 81.662, 355.070



50, 9.020, 324.597



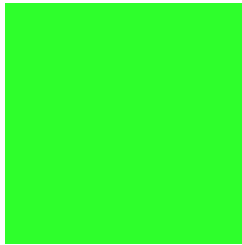
45, 93.133, 327.722



12, 42.842, 327.783

Previews

White Background



This preview shows how the CIE LCh color 88, 113.264, 136.695 looks on a white background.

Color Contrast Check

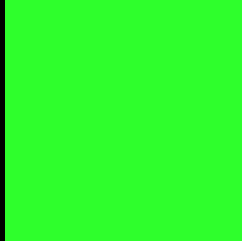
Large Text (above 18pt) WCAG AA × Fail

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, 113.264, 136.695 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, 113.264, 136.695

Background



This preview shows how black text looks on a background with the CIELCh color 88, 113.264, 136.695.



This preview shows how white text looks on a background with the CIELCh color 88, 113.264, 136.695.

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, 113.327, 136.735

Protanopia

87, 83.020, 95.076

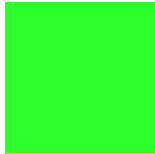
Deuteranopia

87, 38.137, 79.045



Tritanopia
88, 34.043, 214.563

Trichromacy



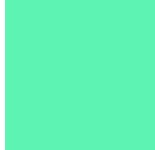
Original Color
88, 113.327, 136.735



Protanomaly
85, 89.493, 118.837

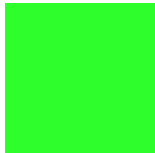


Deuteranomaly
85, 62.217, 123.213



Tritanomaly
87, 58.110, 160.138

Monochromacy



Original Color
88, 113.327, 136.735



Achromatopsia
69, 0.009, 296.813



Achromatomaly
74, 50.020, 141.282

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 113.264, 136.695 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(46, 255, 44)` looks like.

```
.text, #text, p{  
    color:rgb(46, 255, 44)  
}
```

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(46, 255, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 255, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 113.264, 136.695 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(46, 255, 44) }
```

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

```
.border{ border-color:rgb(46, 255, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 255, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 255, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 255, 44);  
box-shadow:4px 4px 4px 4px rgb(46, 255,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 113.264, 136.695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 255, 44) }
```

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

```
.background{ background-color: rgb(46, 255,  
44) }
```

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