

Converting Colors

CIELCh(88, 104.686, 137.515)

Have a look what the booklet for
CIELCh(88, 104.686, 137.515)
contains.

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Color

CIELCh(88, 104.547, 137.534)

Conversions

Conversions Part 1

Format	Color
Hex	48FD45
RGB	72, 253, 69
RGB Percent	28%, 99%, 27%
CMY	0.7176, 0.0078, 0.7293
CMYK	0.72, 0.00, 0.73, 0.01
HSL	119°, 98%, 63%
HSV	119°, 73%, 99%
XYZ	38.8768, 72.0653, 17.4928
YIQ	177.9050, -48.8120, -95.5960

Conversions

Conversions Part 2

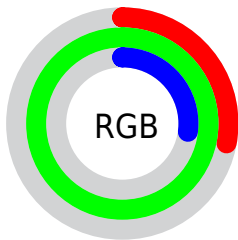
Format	Color
RYB	69, 253, 250
Decimal	4783429
CIELab	88.00, -77.12, 70.59
CIElCh	88, 104.547, 137.534
Yxy	72.0653, 0.3027, 0.5611
Android (android.graphics.Color)	4282973509 (0xFF48FD45)
YUV	177.9050, -53.6902, -92.8787
Hunter-Lab	84.8913, -66.8139, 47.2065

Details

The CIELCh color **88, 104.547, 137.534** 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 **63, 102.614, 327.328**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 75.496, 137.471**, and **69, 97.882, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 112.531, 136.681**, and if you desaturate by 10%, it is **89, 93.828, 138.583**.

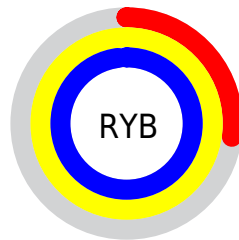
Distribution



Red (28%)

Green (99%)

Blue (27%)



Red (27%)

Yellow (99%)

Blue (98%)

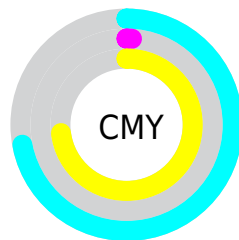


Cyan (72%)

Magenta (0%)

Yellow (73%)

Black (1%)



Cyan (72%)


Magenta (1%)


Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 104.547, 137.534 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, 104.547, 137.534 by changing the saturation by 10% instead.


 88, 104.547,
137.534


 88, 104.547,
137.534


 100, 104.547,
137.534


 78, 104.547,
137.534


 68, 104.547,
137.534

 58, 104.547,
137.534

 48, 104.547,
137.534

 38, 104.547,
137.534

 28, 104.547,
137.534

 18, 104.547,

137.534

■ 8, 104.547,
137.534

■ 0, 104.547,
137.534

■ 88, 104.547,
137.534

■ 88, 104.547,
137.534

■ 88, 112.531,
136.681

■ 89, 93.828,
138.583

■ 87, 117.310,
136.161

■ 90, 81.029,
139.685

■ 87, 118.996,
135.970

■ 91, 66.773,
140.740

■ 93, 51.590,
141.697

■ 94, 35.902,
142.537

■ 96, 20.041,
143.263

■ 99, 4.251, 143.930

■ 100, 1.241,
324.236

Harmonies

Complementary

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



88, 104.547, 137.534



63, 102.614, 327.328

Rectangle

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



88, 104.547, 137.534



88, 104.547, 187.534



88, 104.547, 317.534



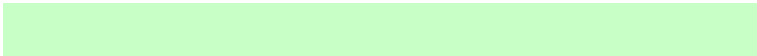
88, 104.547, 7.534

Sweetspot

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



88, 104.547, 137.535



95, 34.980, 142.592



96, 83.285, 102.860



50, 23.505, 142.378



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, 104.547, 137.535



88, 115.681, 136.410



89, 73.810, 153.707



52, 8.995, 143.476



68, 96.388, 135.951



22, 43.690, 136.552

Inverse Universe

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



63, 102.614, 327.328



61, 112.345, 327.547



60, 76.121, 352.335



50, 9.011, 324.503



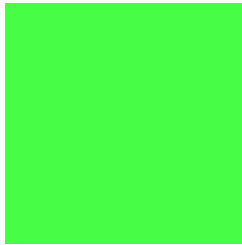
45, 93.147, 327.587



12, 42.848, 327.665

Previews

White Background



This preview shows how the CIELCh color 88, 104.547, 137.534 looks on a white background.

Color Contrast Check

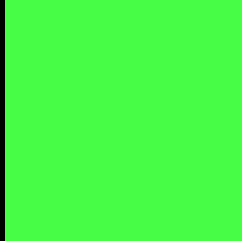
Large Text (above 18pt) WCAG AA × Fail

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, 104.547, 137.534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

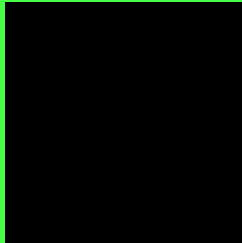
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 104.547, 137.534

Background



This preview shows how black text looks on a background with the CIELCh color 88, 104.547, 137.534.

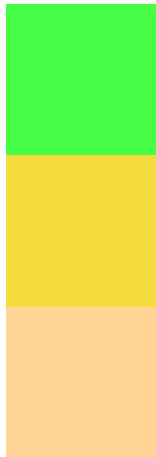


This preview shows how white text looks on a background with the CIELCh color 88, 104.547, 137.534.

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, 104.547, 137.534

Protanopia

87, 76.107, 95.280

Deuteranopia

87, 37.430, 79.317



Tritanopia
88, 33.062, 215.142

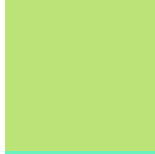
Trichromacy



Original Color
88, 104.547, 137.534



Protanomaly
86, 81.309, 118.048

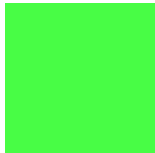


Deuteranomaly
85, 56.260, 121.747



Tritanomaly
87, 52.370, 162.840

Monochromacy



Original Color
88, 104.547, 137.534



Achromatopsia
73, 0.009, 296.813



Achromatomaly
77, 43.466, 141.768

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 104.547, 137.534 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(72, 253, 69)` looks like.

```
.text, #text, p{  
    color:rgb(72, 253, 69)  
}
```

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(72, 253, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 253, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 104.547, 137.534 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(72, 253, 69) }
```

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

```
.border{ border-color:rgb(72, 253, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 253, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 253, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 253, 69);  
box-shadow:4px 4px 4px 4px rgb(72, 253,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 104.547, 137.534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 253, 69) }
```

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

```
.background{ background-color: rgb(72, 253,  
69) }
```

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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