

Converting Colors

CIELCh(88, 91.017, 142.981)

Have a look what the booklet for
CIELCh(88, 91.017, 142.981)
contains.

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Color

CIELCh(88, 91.120, 142.975)

Conversions

Conversions Part 1

Format	Color
Hex	49FC6D
RGB	73, 252, 109
RGB Percent	29%, 99%, 43%
CMY	0.7143, 0.0122, 0.5729
CMYK	0.71, 0.00, 0.57, 0.01
HSL	132°, 97%, 64%
HSV	132°, 71%, 99%
XYZ	40.2676, 72.0653, 26.2279
YIQ	182.1770, -60.7810, -82.4210

Conversions

Conversions Part 2

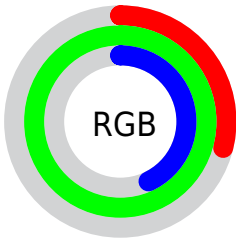
Format	Color
RYB	73, 222, 252
Decimal	4848749
CIELab	88.00, -72.75, 54.87
CIELCh	88, 91.120, 142.975
Yxy	72.0653, 0.2906, 0.5201
Android (android.graphics.Color)	4283038829 (0xFF49FC6D)
YUV	182.1770, -36.0763, -95.7482
Hunter-Lab	84.8913, -63.8894, 41.1058

Details

The CIELCh color **88, 91.120, 142.975** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **62, 88.060, 335.602**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 60.879, 146.322**, and **69, 87.454, 140.586** is the 20% darker color. If you saturate the color by 10%, you get **87, 100.185, 141.328**, and if you desaturate by 10%, it is **89, 80.529, 144.511**.

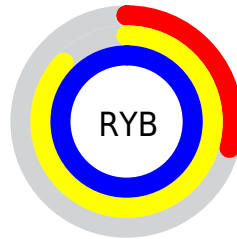
Distribution



Red (29%)

Green (99%)

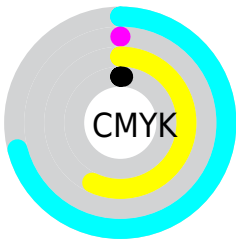
Blue (43%)



Red (29%)

Yellow (87%)

Blue (99%)

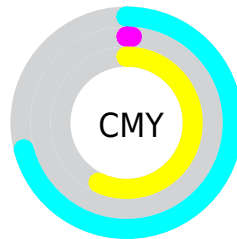


Cyan (71%)

Magenta (0%)

Yellow (57%)

Black (1%)



Cyan (71%)


Magenta (1%)


Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 91.120, 142.975 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, 91.120, 142.975 by changing the saturation by 10% instead.


 88, 91.120,
142.975


 88, 91.120,
142.975


 100, 91.120,
142.975


 78, 91.120,
142.975

 68, 91.120,
142.975

 58, 91.120,
142.975

 48, 91.120,
142.975

 38, 91.120,
142.975


 28, 91.120,
142.975


 18, 91.120,


142.975


 8, 91.120, 142.975


 0, 91.120, 142.975


 88, 91.120,
142.975


 88, 91.120,
142.975


 87, 100.185,
141.328


 89, 80.529,
144.511

 87, 107.469,
139.655

 90, 68.708,
145.892


 87, 112.374,
138.278

 91, 55.971,
147.107

 93, 42.625,
148.161

 94, 28.944,

149.072

 96, 15.160,
149.862

 99, 1.458, 150.762

 99, 1.936, 324.350

Harmonies

Complementary

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



88, 91.120, 142.975



62, 88.060, 335.602

Rectangle

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



88, 91.120, 142.975



88, 91.120, 192.975



88, 91.120, 322.975



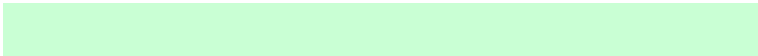
88, 91.120, 12.975

Sweetspot

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



88, 91.120, 142.975



95, 29.123, 149.077



94, 84.162, 113.829



50, 19.715, 148.839



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, 91.120, 142.975



88, 104.270, 140.660



89, 58.411, 167.226



51, 7.721, 149.980



67, 89.824, 138.568



22, 38.229, 141.186

Inverse Universe

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



62, 88.060, 335.602



59, 96.537, 336.863



59, 71.222, 8.558



49, 7.746, 331.144



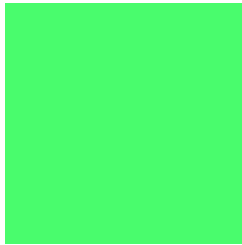
43, 78.817, 338.258



11, 36.346, 336.745

Previews

White Background



This preview shows how the CIE LCh color 88, 91.120, 142.975 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, 91.120, 142.975 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, 91.120, 142.975

Background



This preview shows how black text looks on a background with the CIELCh color 88, 91.120, 142.975.

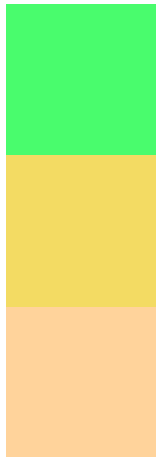


This preview shows how white text looks on a background with the CIELCh color 88, 91.120, 142.975.

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, 91.120, 142.975

Protanopia

87, 60.958, 95.430

Deuteranopia

87, 34.479, 76.423



Tritanopia
88, 33.261, 215.022

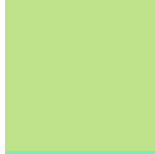
Trichromacy



Original Color
88, 91.120, 142.975



Protanomaly
86, 66.596, 122.460



Deuteranomaly
86, 47.321, 124.306

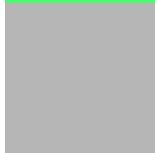


Tritanomaly
87, 47.448, 170.142

Monochromacy



Original Color
88, 91.120, 142.975



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 36.761, 148.119

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 91.120, 142.975 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(73, 252, 109)` looks like.

```
.text, #text, p{  
    color:rgb(73, 252, 109)  
}
```

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(73, 252, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 252, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 91.120, 142.975 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(73, 252, 109) }
```

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

```
.border{ border-color:rgb(73, 252, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 252, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 252, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 252, 109);  
box-shadow:4px 4px 4px 4px rgb(73, 252,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 91.120, 142.975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 252, 109) }
```

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

```
.background{ background-color: rgb(73, 252,  
109) }
```

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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