

Converting Colors

CIELCh(88, 103.216, 142.078)

Have a look what the booklet for
CIELCh(88, 103.216, 142.078)
contains.

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Color

CIELCh(88, 103.377, 142.047)

Conversions

Conversions Part 1

Format	Color
Hex	09FF58
RGB	9, 255, 88
RGB Percent	4%, 100%, 35%
CMY	0.9656, 0.0013, 0.6561
CMYK	0.97, 0.00, 0.66, 0.00
HSL	139°, 100%, 52%
HSV	139°, 97%, 100%
XYZ	37.5128, 72.0653, 21.0974
YIQ	162.4080, -93.0090, -104.0890

Conversions

Conversions Part 2

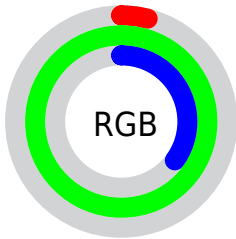
Format	Color
R_{YB}	9, 195, 255
Decimal	655192
CIE _{Lab}	88.00, -81.51, 63.58
CIE _{LCh}	88, 103.377, 142.047
Yxy	72.0653, 0.2871, 0.5515
Android (android.graphics.Color)	4278845272 (0xFF09FF58)
YUV	162.4080, -36.6831, -134.5388
Hunter-Lab	84.8913, -69.6819, 44.6889

Details

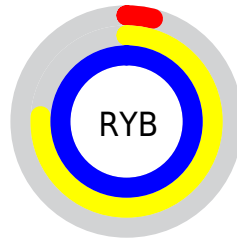
The CIELCh color **88, 103.377, 142.047** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated green. A complement of this color would be **57, 90.696, 346.177**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 73.270, 145.166**, and **69, 95.589, 137.151** is the 20% darker color. If you saturate the color by 10%, you get **88, 105.380, 141.377**, and if you desaturate by 10%, it is **88, 96.809, 144.079**.

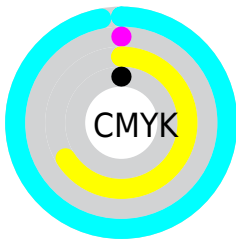
Distribution



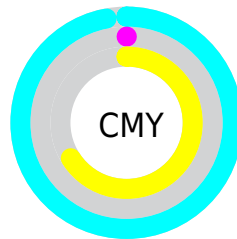
- Red (4%)
- Green (100%)
- Blue (35%)



- Red (4%)
- Yellow (76%)
- Blue (100%)



- Cyan (97%)
- Magenta (0%)
- Yellow (66%)
- Black (0%)





- Cyan (97%)
- Magenta (0%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 103.377, 142.047 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, 103.377, 142.047 by changing the saturation by 10% instead.


 88, 103.377,
142.047


 88, 103.377,
142.047


 100, 103.377,
142.047


 78, 103.377,
142.047

 68, 103.377,
142.047

 58, 103.377,
142.047

 48, 103.377,
142.047

 38, 103.377,
142.047

 28, 103.377,
142.047

 18, 103.377,

142.047

■ 8, 103.377,
142.047

■ 0, 103.377,
142.047

■ 88, 103.377,
142.047

■ 88, 103.377,
142.047

■ 88, 105.380,
141.377

■ 88, 96.809,
144.079

■ 89, 88.886,
146.013

■ 89, 79.674,
147.782

■ 90, 69.320,
149.359

■ 92, 58.034,
150.743

■ 93, 46.056,
151.947

■ 95, 33.628,
152.994

■ 96, 20.971,
153.908

■ 98, 8.270, 154.730

Harmonies

Complementary

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



88, 103.377, 142.047



57, 90.696, 346.177

Rectangle

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



88, 103.377, 142.047



88, 103.377, 192.047



88, 103.377, 322.047



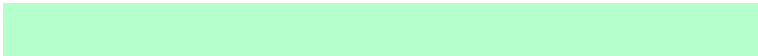
88, 103.377, 12.047

Sweetspot

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



88, 103.377, 142.047



94, 36.730, 152.751



92, 101.899, 120.582



50, 25.151, 152.308



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, 103.377, 142.047



88, 105.486, 141.376



90, 60.409, 172.803



52, 7.190, 154.492



68, 84.236, 141.751



23, 36.269, 144.701

Inverse Universe

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



57, 90.696, 346.177



56, 90.771, 346.948



54, 92.683, 30.056



50, 7.231, 335.781



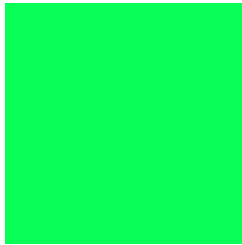
42, 73.355, 346.518



11, 34.583, 343.653

Previews

White Background



This preview shows how the CIE LCh color 88, 103.377, 142.047 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, 103.377, 142.047 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, 103.377, 142.047

Background



This preview shows how black text looks on a background with the CIELCh color 88, 103.377, 142.047.

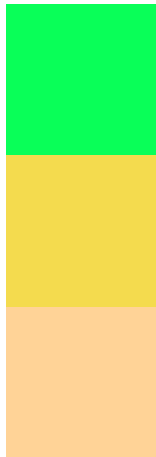


This preview shows how white text looks on a background with the CIELCh color 88, 103.377, 142.047.

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

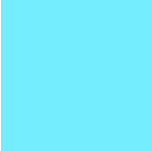
88, 103.415, 142.070

Protanopia

87, 69.675, 95.447

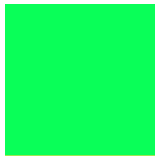
Deuteranopia

87, 36.300, 77.811



Tritanopia
88, 34.780, 213.219

Trichromacy



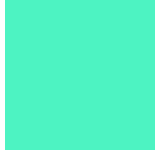
Original Color
88, 103.415, 142.070



Protanomaly
85, 78.471, 126.103



Deuteranomaly
84, 55.994, 131.277

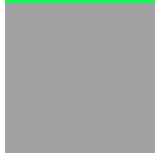


Tritanomaly
87, 54.975, 168.078

Monochromacy



Original Color
88, 103.415, 142.070



Achromatopsia
67, 0.008, 296.813



Achromatomaly
72, 46.311, 150.964

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 103.377, 142.047 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(9, 255, 88)` looks like.

```
.text, #text, p{  
    color:rgb(9, 255, 88)  
}
```

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(9, 255, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 255, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 103.377, 142.047 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(9, 255, 88) }
```

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

```
.border{ border-color:rgb(9, 255, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 255, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 255, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 255, 88);  
box-shadow:4px 4px 4px 4px rgb(9, 255, 88)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 88, 103.377, 142.047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 255, 88) }
```

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

```
.background{ background-color: rgb(9, 255,  
88) }
```

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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