

Converting Colors

CIELCh(88, 103.952, 141.990)

Have a look what the booklet for
CIELCh(88, 103.952, 141.990)
contains.

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Color

CIELCh(88, 103.900, 142.037)

Conversions

Conversions Part 1

Format	Color
Hex	00FF57
RGB	0, 255, 87
RGB Percent	0%, 100%, 34%
CMY	1.0000, 0.0008, 0.6596
CMYK	1.00, 0.00, 0.66, 0.00
HSL	140°, 100%, 50%
HSV	140°, 100%, 100%
XYZ	37.3898, 72.0653, 20.9143
YIQ	159.6030, -98.0520, -106.3080

Conversions

Conversions Part 2

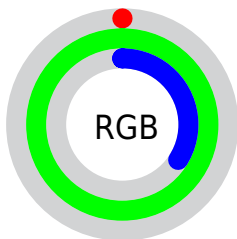
Format	Color
RYB	0, 190, 255
Decimal	65367
CIELab	88.00, -81.92, 63.91
CIELCh	88, 103.900, 142.037
Yxy	72.0653, 0.2868, 0.5528
Android (android.graphics.Color)	4278255447 (0xFF00FF57)
YUV	159.6030, -35.7933, -139.9718
Hunter-Lab	84.8913, -69.9405, 44.8169

Details

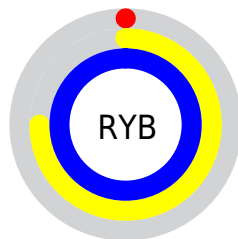
The CIELCh color **88, 103.900, 142.037** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated green. A complement of this color would be **56, 89.673, 348.529**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 73.825, 145.070**, and **69, 95.901, 137.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 103.874, 142.022**, and if you desaturate by 10%, it is **88, 97.725, 144.082**.

Distribution



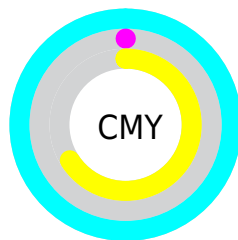
- Red (0%)
- Green (100%)
- Blue (34%)



- Red (0%)
- Yellow (75%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (66%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 103.900, 142.037 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, 103.900, 142.037 by changing the saturation by 10% instead.


 88, 103.900,
142.037


 88, 103.900,
142.037


 100, 103.900,
142.037


 78, 103.900,
142.037


 68, 103.900,
142.037

 58, 103.900,
142.037

 48, 103.900,
142.037

 38, 103.900,
142.037

 28, 103.900,
142.037

 18, 103.900,

142.037

■ 8, 103.900,
142.037

■ 0, 103.900,
142.037

■ 88, 103.900,
142.037

■ 88, 103.900,
142.037

■ 88, 103.874,
142.022

■ 88, 97.725,
144.082

■ 89, 90.345,
146.094

■ 89, 81.691,
147.946

■ 90, 71.870,
149.605

■ 91, 61.061,
151.066

■ 92, 49.486,
152.340

■ 94, 37.383,
153.449

■ 96, 24.975,
154.417

■ 98, 12.458,
155.274

Harmonies

Complementary

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



88, 103.900, 142.037



56, 89.673, 348.529

Rectangle

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



88, 103.900, 142.037



88, 103.900, 192.037



88, 103.900, 322.037



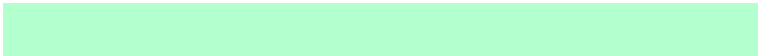
88, 103.900, 12.037

Sweetspot

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



88, 103.874, 142.022



94, 37.407, 153.449



92, 103.435, 121.752



49, 25.460, 153.000



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, 103.874, 142.022



88, 103.938, 142.021



90, 59.819, 174.000



52, 7.086, 155.315



68, 82.986, 142.406



23, 35.709, 145.411

Inverse Universe

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



56, 89.673, 348.529



56, 89.726, 348.531



53, 95.994, 32.936



50, 7.130, 336.627



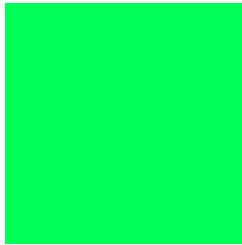
42, 72.511, 348.059



11, 34.195, 344.918

Previews

White Background



This preview shows how the CIE LCh color 88, 103.900, 142.037 looks on a white background.

Color Contrast Check

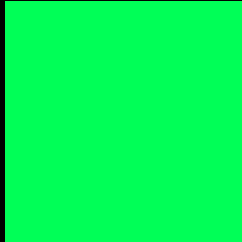
Large Text (above 18pt) WCAG AA × Fail

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, 103.900, 142.037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

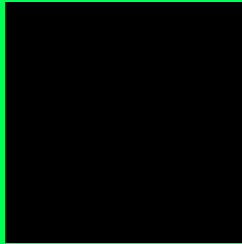
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

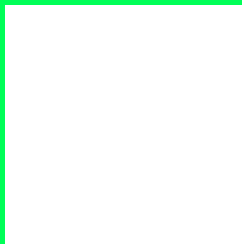
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 103.900, 142.037

Background



This preview shows how black text looks on a background with the CIELCh color 88, 103.900, 142.037.

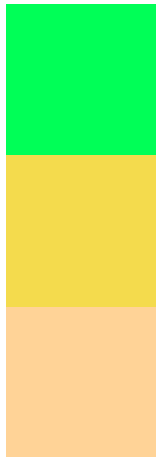


This preview shows how white text looks on a background with the CIELCh color 88, 103.900, 142.037.

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

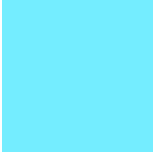
88, 103.900, 142.037

Protanopia

87, 70.056, 95.460

Deuteranopia

87, 36.300, 77.811



Tritanopia
88, 34.780, 213.219

Trichromacy



Original Color
88, 103.900, 142.037



Protanomaly
85, 79.277, 126.679



Deuteranomaly
84, 56.498, 132.224



Tritanomaly
87, 55.373, 168.264

Monochromacy



Original Color
88, 103.900, 142.037



Achromatopsia
65, 0.008, 296.813



Achromatomaly
72, 46.993, 151.582

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 103.900, 142.037 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(0, 255, 87)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 87)  
}
```

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(0, 255, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 103.900, 142.037 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(0, 255, 87) }
```

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

```
.border{ border-color:rgb(0, 255, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 87);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 87)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 88, 103.900, 142.037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 87) }
```

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

```
.background{ background-color: rgb(0, 255,  
87) }
```

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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