

Converting Colors

CIELCh(87, 101.431, 142.422)

Have a look what the booklet for
CIELCh(87, 101.431, 142.422)
contains.

CIELCh(87, 101.355, 142.401)	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(87, 101.355, 142.401)

Conversions

Conversions Part 1

Format	Color
Hex	0CFB59
RGB	12, 251, 89
RGB Percent	5%, 98%, 35%
CMY	0.9526, 0.0144, 0.6497
CMYK	0.95, 0.00, 0.64, 0.01
HSL	139°, 97%, 52%
HSV	139°, 95%, 99%
XYZ	36.5697, 70.0064, 21.1053
YIQ	161.0710, -90.4420, -101.0500

Conversions

Conversions Part 2

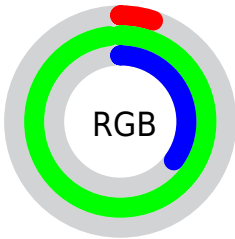
Format	Color
RYB	12, 193, 251
Decimal	850777
CIELab	87.00, -80.30, 61.84
CIElCh	87, 101.355, 142.401
Yxy	70.0064, 0.2864, 0.5483
Android (android.graphics.Color)	4279040857 (0xFF0CFB59)
YUV	161.0710, -35.5310, -130.7353
Hunter-Lab	83.6698, -68.4048, 43.6133

Details

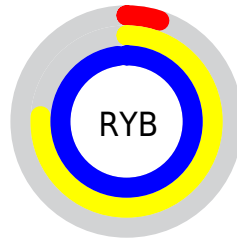
The CIELCh color **87, 101.355, 142.401** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated green. A complement of this color would be **56, 89.696, 345.993**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 72.881, 145.400**, and **68, 93.889, 137.419** is the 20% darker color. If you saturate the color by 10%, you get **87, 104.157, 141.450**, and if you desaturate by 10%, it is **87, 94.669, 144.428**.

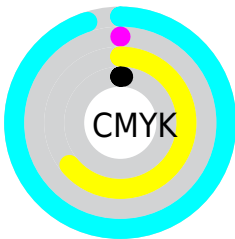
Distribution



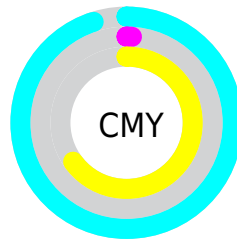
- Red (5%)
- Green (98%)
- Blue (35%)



- Red (5%)
- Yellow (76%)
- Blue (98%)



- Cyan (95%)
- Magenta (0%)
- Yellow (64%)
- Black (1%)



- Cyan (95%)
- Magenta (1%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 101.355, 142.401 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 87, 101.355, 142.401 by changing the saturation by 10% instead.

■ 87, 101.355,
142.401

■ 87, 101.355,
142.401

■ 100, 101.355,
142.401

■ 77, 101.355,
142.401

■ 67, 101.355,
142.401

■ 57, 101.355,
142.401

■ 47, 101.355,
142.401

■ 37, 101.355,
142.401

■ 27, 101.355,
142.401

■ 17, 101.355,

142.401

■ 7, 101.355,
142.401

■ 0, 101.355,
142.401

■ 87, 101.355,
142.401

■ 87, 101.355,
142.401

■ 87, 104.157,
141.450

■ 87, 94.669,
144.428

■ 88, 86.652,
146.343

■ 89, 77.380,
148.087

■ 89, 67.008,
149.636

■ 91, 55.749,
150.993

■ 92, 43.840,
152.174

■ 94, 31.519,
153.201

■ 96, 18.998,
154.100

■ 98, 6.456, 154.919

Harmonies

Complementary

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



87, 101.355, 142.401



56, 89.696, 345.993

Rectangle

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



87, 101.355, 142.401



87, 101.355, 192.401



87, 101.355, 322.401



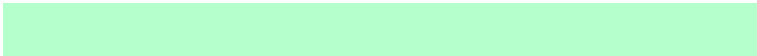
87, 101.355, 12.401

Sweetspot

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



87, 101.355, 142.401



94, 36.679, 152.824



91, 100.489, 120.419



50, 25.116, 152.380



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 101.355, 142.401



88, 105.346, 141.434



89, 59.524, 173.064



51, 7.062, 154.568



67, 83.247, 141.830



22, 35.126, 144.945

Inverse Universe

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



56, 89.696, 345.993



56, 90.671, 347.092



53, 90.863, 29.283



49, 7.103, 335.856



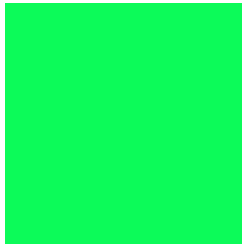
42, 72.559, 346.635



10, 33.684, 343.616

Previews

White Background



This preview shows how the CIE LCh color 87, 101.355, 142.401 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 87, 101.355, 142.401 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 87, 101.355, 142.401

Background



This preview shows how black text looks on a background with the CIELCh color 87, 101.355, 142.401.

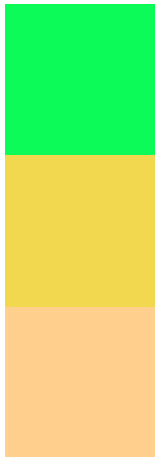


This preview shows how white text looks on a background with the CIELCh color 87, 101.355, 142.401.

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

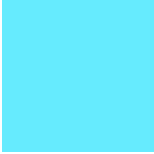
87, 101.314, 142.376

Protanopia

86, 68.134, 95.303

Deuteranopia

86, 40.272, 78.261



Tritanopia
87, 36.901, 213.049

Trichromacy



Original Color
87, 101.314, 142.376



Protanomaly
84, 76.604, 125.866



Deuteranomaly
83, 56.617, 128.980

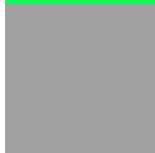


Tritanomaly
86, 55.050, 169.245

Monochromacy



Original Color
87, 101.314, 142.376



Achromatopsia
66, 0.008, 296.813



Achromatomaly
72, 44.928, 151.086

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 101.355, 142.401 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(12, 251, 89)` looks like.

```
.text, #text, p{  
    color:rgb(12, 251, 89)  
}
```

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(12, 251, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 251, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 101.355, 142.401 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(12, 251, 89) }
```

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

```
.border{ border-color:rgb(12, 251, 89) }
```

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

Here you see how a box with a 4 pixel rgb(12, 251, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 251, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 251, 89);  
box-shadow:4px 4px 4px 4px rgb(12, 251,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 101.355, 142.401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 251, 89) }
```

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

```
.background{ background-color: rgb(12, 251,  
89) }
```

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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