

# Converting Colors

CIELCh(87, 103.594, 141.833)

Have a look what the booklet for  
CIELCh(87, 103.594, 141.833)  
contains.

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**Color**

**CIELCh(87, 103.556, 141.790)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00FC54
RGB	0, 252, 84
RGB Percent	0%, 99%, 33%
CMY	1.0000, 0.0132, 0.6720
CMYK	1.00, 0.00, 0.67, 0.01
HSL	140°, 100%, 49%
HSV	140°, 100%, 99%
XYZ	36.2493, 70.0064, 19.9171
YIQ	157.5000, -96.2640, -105.6720

# Conversions

## Conversions Part 2

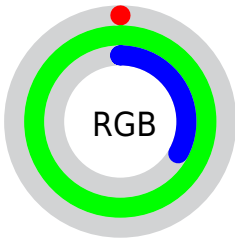
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 189, 252
Decimal	64596
CIELab	87.00, -81.37, 64.05
CIELCh	87, 103.556, 141.790
Yxy	70.0064, 0.2873, 0.5548
Android (android.graphics.Color)	4278254676 (0xFF00FC54)
YUV	157.5000, -36.2355, -138.1275
Hunter-Lab	83.6698, -69.0885, 44.4552

# Details

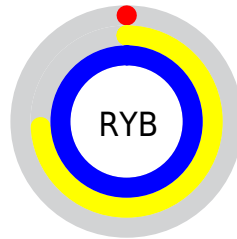
The CIELCh color **87, 103.556, 141.790** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated green. A complement of this color would be **56, 89.262, 347.843**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 74.992, 144.391**, and **68, 95.818, 136.735** is the 20% darker color. If you saturate the color by 10%, you get **87, 103.508, 141.762**, and if you desaturate by 10%, it is **87, 97.404, 143.798**.

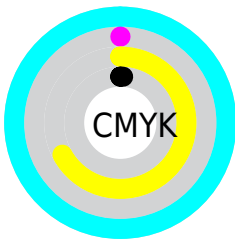
# Distribution



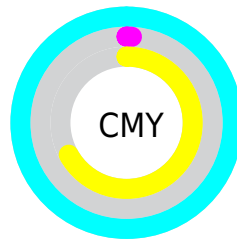
- Red (0%)
- Green (99%)
- Blue (33%)



- Red (0%)
- Yellow (74%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (67%)
- Black (1%)




- Cyan (100%)
- Magenta (1%)
- Yellow (67%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 103.556, 141.790 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, 103.556, 141.790 by changing the saturation by 10% instead.





 87, 103.556,  
141.790


 87, 103.556,  
141.790


 100, 103.556,  
141.790


 77, 103.556,  
141.790


 67, 103.556,  
141.790

 57, 103.556,  
141.790

 47, 103.556,  
141.790

 37, 103.556,  
141.790

 27, 103.556,  
141.790

 17, 103.556,

141.790

■ 7, 103.556,  
141.790

■ 0, 103.556,  
141.790

■ 87, 103.556,  
141.790

■ 87, 103.556,  
141.790

■ 87, 103.508,  
141.762

■ 87, 97.404,  
143.798

■ 88, 90.056,  
145.795

■ 88, 81.428,  
147.637

■ 89, 71.632,  
149.288

■ 90, 60.851,  
150.742

■ 91, 49.309,  
152.010

■ 93, 37.244,  
153.114

■ 95, 24.879,  
154.076

■ 97, 12.408,  
154.928

# Harmonies

# Complementary

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



87, 103.556, 141.790



56, 89.262, 347.843

# Rectangle

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



87, 103.556, 141.790



87, 103.556, 191.790



87, 103.556, 321.790



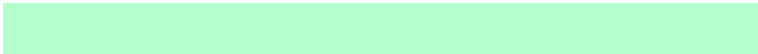
87, 103.556, 11.790

# Sweetspot

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



87, 103.508, 141.762



94, 37.647, 153.112



91, 101.902, 120.958



49, 25.625, 152.665



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, 103.508, 141.762



88, 104.593, 141.747



89, 60.527, 172.200



51, 7.012, 154.969



67, 82.645, 142.148



22, 34.861, 145.291



# Inverse Universe

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



56, 89.262, 347.843



56, 90.154, 347.862



53, 93.987, 31.771



49, 7.054, 336.268



42, 72.145, 347.384

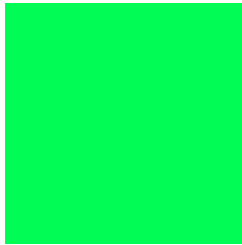


10, 33.498, 344.225



# Previews

## White Background



This preview shows how the CIE LCh color 87, 103.556, 141.790 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, 103.556, 141.790 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, 103.556, 141.790**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 87, 103.556, 141.790.



This preview shows how white text looks on a background with the CIELCh color 87, 103.556,

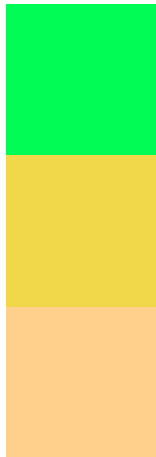




# Color Blindness Simulation

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

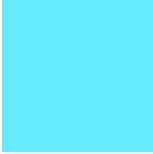
87, 103.556, 141.790

### Protanopia

86, 70.050, 95.369

### Deuteranopia

86, 40.730, 78.536



**Tritanopia**  
87, 36.901, 213.049

# Trichromacy



**Original Color**  
87, 103.556, 141.790



**Protanomaly**  
84, 79.147, 126.439



**Deuteranomaly**  
83, 58.291, 130.177



**Tritanomaly**  
86, 56.172, 168.560

# Monochromacy



**Original Color**  
87, 103.556, 141.790



**Achromatopsia**  
65, 0.008, 296.813



**Achromatomaly**  
71, 46.673, 151.050

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 87, 103.556, 141.790 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, 252, 84)` looks like.

```
.text, #text, p{  
    color:rgb(0, 252, 84)  
}
```

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, 252, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 252, 84) }
```

## Border

The CSS property to change the border of an element to CIELCh 87, 103.556, 141.790 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, 252, 84) }
```

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

```
.border{ border-color:rgb(0, 252, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 252, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 252, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 252, 84);  
box-shadow:4px 4px 4px 4px rgb(0, 252, 84)  
}
```

# Background

The CSS property to change the background color of an element to CIELCh 87, 103.556, 141.790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 252, 84) }
```

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

```
.background{ background-color: rgb(0, 252,  
84) }
```

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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