

Converting Colors

CIELCh(87, 95.316, 141.257)

Have a look what the booklet for
CIELCh(87, 95.316, 141.257)
contains.

CIELCh(87, 95.210, 141.295)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(87, 95.210, 141.295)

Conversions

Conversions Part 1

Format	Color
Hex	44F95F
RGB	68, 249, 95
RGB Percent	27%, 98%, 37%
CMY	0.7353, 0.0222, 0.6262
CMYK	0.73, 0.00, 0.62, 0.02
HSL	129°, 94%, 62%
HSV	129°, 73%, 98%
XYZ	38.4111, 70.0064, 22.3909
YIQ	177.3250, -58.4420, -86.2660

Conversions

Conversions Part 2

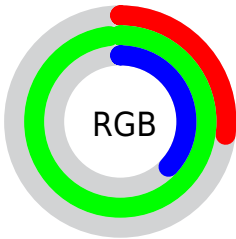
Format	Color
RYB	68, 226, 249
Decimal	4520287
CIELab	87.00, -74.30, 59.54
CIELCh	87, 95.210, 141.295
Yxy	70.0064, 0.2936, 0.5352
Android (android.graphics.Color)	4282710367 (0xFF44F95F)
YUV	177.3250, -40.5862, -95.8780
Hunter-Lab	83.6698, -64.4765, 42.7022

Details

The CIELCh color **87, 95.210, 141.295** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed green. A complement of this color would be **61, 91.621, 333.592**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 67.043, 143.148**, and **68, 91.013, 138.394** is the 20% darker color. If you saturate the color by 10%, you get **86, 103.891, 139.767**, and if you desaturate by 10%, it is **88, 84.760, 142.775**.

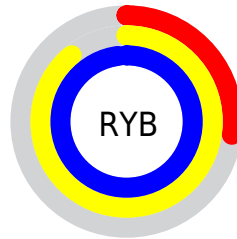
Distribution



Red (27%)

Green (98%)

Blue (37%)



Red (27%)

Yellow (89%)

Blue (98%)

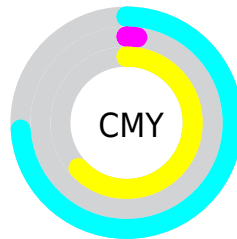


Cyan (73%)

Magenta (0%)

Yellow (62%)

Black (2%)



Cyan (74%)

Magenta (2%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 95.210, 141.295 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, 95.210, 141.295 by changing the saturation by 10% instead.

■ 87, 95.210,
141.295

■ 87, 95.210,
141.295

■ 100, 95.210,
141.295

■ 77, 95.210,
141.295

■ 67, 95.210,
141.295

■ 57, 95.210,
141.295

■ 47, 95.210,
141.295

■ 37, 95.210,
141.295


■ 27, 95.210,
141.295


■ 17, 95.210,


141.295

 7, 95.210, 141.295


 0, 95.210, 141.295

 87, 95.210,
141.295


 87, 95.210,
141.295


 86, 103.891,
139.767


 88, 84.760,
142.775

 86, 110.486,
138.302

 89, 72.896,
144.138


 86, 113.831,
137.417

 90, 59.983,
145.351

 91, 46.365,
146.409

 93, 32.347,

147.324

 95, 18.186,
148.113

 97, 4.085, 148.848

 99, 3.520, 324.477

Harmonies

Complementary

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



87, 95.210, 141.295



61, 91.621, 333.592

Rectangle

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



87, 95.210, 141.295



87, 95.210, 191.295



87, 95.210, 321.295



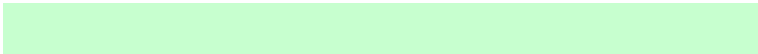
87, 95.210, 11.295

Sweetspot

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



87, 95.210, 141.295



95, 31.605, 147.399



93, 84.371, 111.371



50, 21.238, 147.168



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, 95.210, 141.295



88, 109.425, 138.992



88, 62.038, 163.354



51, 7.995, 148.361



67, 91.814, 137.650



22, 39.266, 140.068

Inverse Universe

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



61, 91.621, 333.592



59, 100.828, 334.658



58, 72.152, 5.148



49, 8.015, 329.487



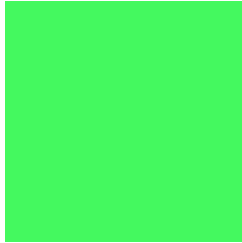
43, 81.756, 335.441



11, 37.545, 334.396

Previews

White Background



This preview shows how the CIELCh color 87, 95.210, 141.295 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, 95.210, 141.295 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, 95.210, 141.295

Background



This preview shows how black text looks on a background with the CIELCh color 87, 95.210, 141.295.

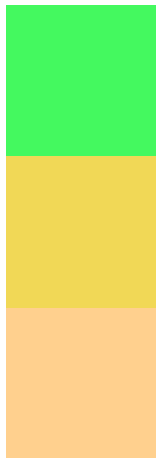


This preview shows how white text looks on a background with the CIELCh color 87, 95.210, 141.295.

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, 95.111, 141.228

Protanopia

86, 65.331, 95.185

Deuteranopia

86, 39.814, 77.979

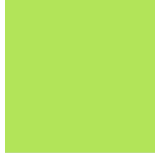


Tritanopia
87, 34.013, 214.600

Trichromacy



Original Color
87, 95.111, 141.228



Protanomaly
85, 71.112, 121.066



Deuteranomaly
84, 51.941, 122.009



Tritanomaly
86, 49.423, 168.381

Monochromacy



Original Color
87, 95.111, 141.228



Achromatopsia
72, 0.009, 296.813



Achromatomaly
76, 38.797, 146.442

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 95.210, 141.295 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(68, 249, 95)` looks like.

```
.text, #text, p{  
    color:rgb(68, 249, 95)  
}
```

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(68, 249, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 249, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 95.210, 141.295 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(68, 249, 95) }
```

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

```
.border{ border-color:rgb(68, 249, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 249, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 249, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 249, 95);  
box-shadow:4px 4px 4px 4px rgb(68, 249,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 95.210, 141.295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 249, 95) }
```

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

```
.background{ background-color: rgb(68, 249,  
95) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor