

Converting Colors

CIELCh(87, 117.220, 135.701)

Have a look what the booklet for
CIELCh(87, 117.220, 135.701)
contains.

CIELCh(87, 117.219, 135.703)	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, 117.219, 135.703)

Conversions

Conversions Part 1

Format	Color
Hex	20FC0A
RGB	32, 252, 10
RGB Percent	13%, 99%, 4%
CMY	0.8735, 0.0114, 0.9594
CMYK	0.87, 0.00, 0.96, 0.01
HSL	115°, 98%, 51%
HSV	115°, 96%, 99%
XYZ	35.4963, 70.0064, 11.9377
YIQ	158.6320, -53.4380, -121.9020

Conversions

Conversions Part 2

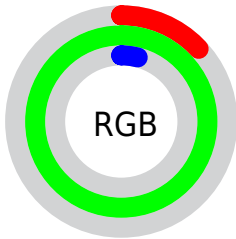
Format	Color
RYB	10, 252, 230
Decimal	2161674
CIELab	87.00, -83.90, 81.86
CIELCh	87, 117.219, 135.703
Yxy	70.0064, 0.3022, 0.5961
Android (android.graphics.Color)	4280351754 (0xFF20FC0A)
YUV	158.6320, -73.2756, -111.0563
Hunter-Lab	83.6698, -70.6948, 50.1096

Details

The CIELCh color **87, 117.219, 135.703** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **56, 114.459, 324.744**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 90.679, 135.035**, and **68, 97.507, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **87, 118.233, 135.705**, and if you desaturate by 10%, it is **87, 113.038, 135.806**.

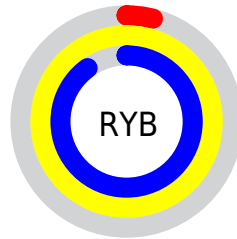
Distribution



Red (13%)

Green (99%)

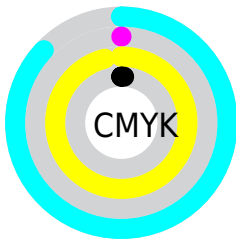
Blue (4%)



Red (4%)

Yellow (99%)

Blue (90%)

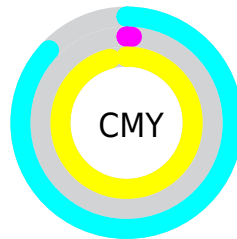


Cyan (87%)

Magenta (0%)

Yellow (96%)

Black (1%)



Cyan (87%)

Magenta (1%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 117.219, 135.703 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, 117.219, 135.703 by changing the saturation by 10% instead.

■ 87, 117.219,
135.703

■ 87, 117.219,
135.703

■ 100, 117.219,
135.703

■ 77, 117.219,
135.703

■ 67, 117.219,
135.703

■ 57, 117.219,
135.703

■ 47, 117.219,
135.703

■ 37, 117.219,
135.703

■ 27, 117.219,
135.703

■ 17, 117.219,

135.703

■ 7, 117.219,
135.703

■ 0, 117.219,
135.703

■ 87, 117.219,
135.703

■ 87, 117.219,
135.703

■ 87, 118.233,
135.705

■ 87, 113.038,
135.806

■ 88, 105.705,
136.279

■ 89, 95.604,
137.025

■ 89, 83.384,
137.905

■ 91, 69.681,
138.805

■ 92, 55.024,
139.657

■ 94, 39.826,
140.427

■ 96, 24.406,
141.105

■ 98, 8.999, 141.706

Harmonies

Complementary

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



87, 117.219, 135.703



56, 114.459, 324.744

Rectangle

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



87, 117.219, 135.703



87, 117.219, 185.703



87, 117.219, 315.703



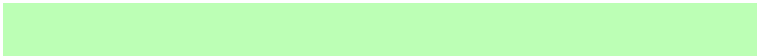
87, 117.219, 5.703

Sweetspot

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



87, 117.218, 135.704



94, 44.996, 140.196



90, 88.855, 96.170



49, 30.830, 139.867



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, 117.218, 135.704



88, 119.272, 135.708



87, 95.763, 145.085



51, 8.637, 141.495



67, 94.994, 135.618



22, 41.733, 135.754

Inverse Universe

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



56, 114.459, 324.744



56, 116.263, 324.643



55, 86.277, 352.288



49, 8.664, 322.427



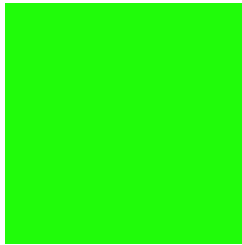
42, 92.697, 324.706



10, 41.898, 325.142

Previews

White Background



This preview shows how the CIE LCh color 87, 117.219, 135.703 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 CIE LCh color 87, 117.219, 135.703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

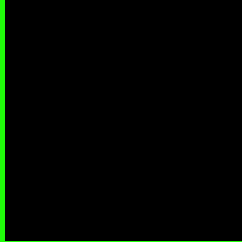
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 117.219, 135.703

Background



This preview shows how black text looks on a background with the CIELCh color 87, 117.219, 135.703.



This preview shows how white text looks on a background with the CIELCh color 87, 117.219, 135.703.

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, 117.219, 135.703

Protanopia

86, 86.367, 95.006

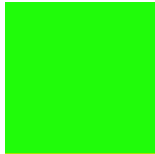
Deuteranopia

86, 43.488, 80.036



Tritanopia
87, 35.494, 213.780

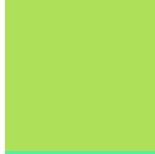
Trichromacy



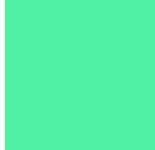
Original Color
87, 117.219, 135.703



Protanomaly
84, 93.323, 118.918

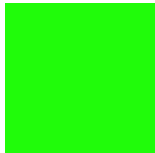


Deuteranomaly
83, 69.599, 121.516



Tritanomaly
86, 63.629, 157.040

Monochromacy



Original Color
87, 117.219, 135.703



Achromatopsia
65, 0.008, 296.813



Achromatomaly
71, 55.797, 138.889

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 117.219, 135.703 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(32, 252, 10)` looks like.

```
.text, #text, p{  
    color:rgb(32, 252, 10)  
}
```

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(32, 252, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 252, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 117.219, 135.703 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(32, 252, 10) }
```

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

```
.border{ border-color:rgb(32, 252, 10) }
```

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

Here you see how a box with a 4 pixel rgb(32, 252, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 252, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 252, 10);  
box-shadow:4px 4px 4px 4px rgb(32, 252,  
10) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 117.219, 135.703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 252, 10) }
```

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

```
.background{ background-color: rgb(32, 252,  
10) }
```

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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