

Converting Colors

CIELCh(87, 96.689, 127.640)

Have a look what the booklet for
CIELCh(87, 96.689, 127.640)
contains.

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Color

CIELCh(87, 96.608, 127.650)

Conversions

Conversions Part 1

Format	Color
Hex	8BF330
RGB	139, 243, 48
RGB Percent	55%, 95%, 19%
CMY	0.4537, 0.0459, 0.8103
CMYK	0.43, 0.00, 0.80, 0.05
HSL	92°, 89%, 57%
HSV	92°, 80%, 95%
XYZ	43.3765, 70.0064, 14.0629
YIQ	189.6740, 0.6110, -82.6930

Conversions

Conversions Part 2

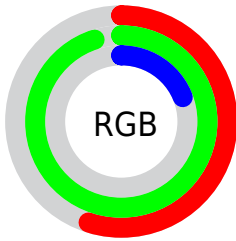
Format	Color
RYB	48, 243, 152
Decimal	9171760
CIELab	87.00, -59.01, 76.49
CIELCh	87, 96.608, 127.650
Yxy	70.0064, 0.3404, 0.5493
Android (android.graphics.Color)	4287361840 (0xFF8BF330)
YUV	189.6740, -69.8453, -44.4411
Hunter-Lab	83.6698, -53.8834, 48.6037

Details

The CIELCh color **87, 96.608, 127.650** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **46, 107.524, 313.435**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 73.307, 122.348**, and **67, 88.521, 130.753** is the 20% darker color. If you saturate the color by 10%, you get **86, 102.848, 128.308**, and if you desaturate by 10%, it is **88, 87.987, 127.450**.

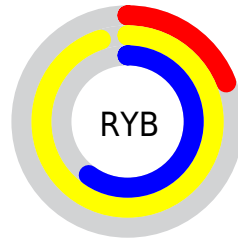
Distribution



Red (55%)

Green (95%)

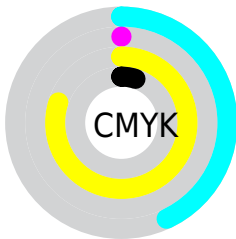
Blue (19%)



Red (19%)

Yellow (95%)

Blue (60%)

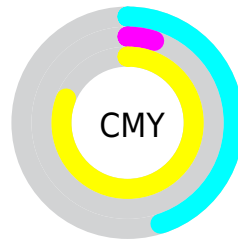


Cyan (43%)

Magenta (0%)

Yellow (80%)

Black (5%)



Cyan (45%)


Magenta (5%)


Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 96.608, 127.650 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, 96.608, 127.650 by changing the saturation by 10% instead.


 87, 96.608,
127.650

 87, 96.608,
127.650


 100, 96.608,
127.650


 77, 96.608,
127.650

 67, 96.608,
127.650

 57, 96.608,
127.650

 47, 96.608,
127.650

 37, 96.608,
127.650

 27, 96.608,
127.650


 17, 96.608,


127.650

 7, 96.608, 127.650


 0, 96.608, 127.650

 87, 96.608,
127.650


 87, 96.608,
127.650


 86, 102.848,
128.308

 88, 87.987,
127.450

 86, 106.709,
129.387


 89, 77.518,
127.580


 89, 65.774,
127.913

 91, 53.217,
128.354

 92, 40.178,

128.839

 93, 26.887,
129.328

 94, 13.505,
129.801

 96, 0.142, 131.277

 97, 7.291, 324.653

Harmonies

Complementary

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



87, 96.608, 127.650



46, 107.524, 313.435

Rectangle

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



87, 96.608, 127.650



87, 96.608, 177.650



87, 96.608, 307.650



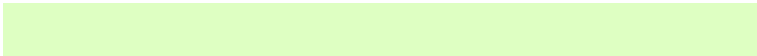
87, 96.608, 357.650

Sweetspot

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



87, 96.608, 127.651



96, 33.314, 129.136



71, 69.904, 67.723



51, 22.869, 128.961



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, 96.608, 127.651



90, 109.216, 128.960



85, 106.133, 137.611



51, 7.624, 129.830



67, 87.045, 129.118



21, 36.858, 127.915

Inverse Universe

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



46, 107.524, 313.435



43, 122.533, 312.757



59, 102.432, 329.199



47, 7.723, 310.635



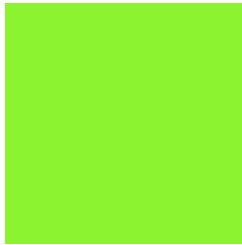
30, 97.800, 312.681



5, 41.561, 313.441

Previews

White Background



This preview shows how the CIELCh color 87, 96.608, 127.650 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, 96.608, 127.650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

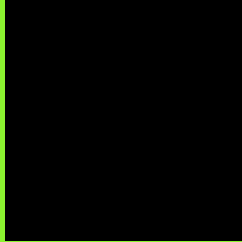
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 96.608, 127.650

Background



This preview shows how black text looks on a background with the CIELCh color 87, 96.608, 127.650.

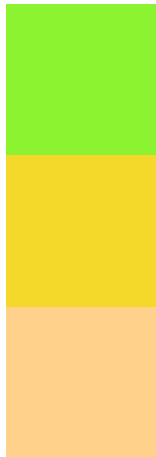


This preview shows how white text looks on a background with the CIELCh color 87, 96.608, 127.650.

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, 96.608, 127.650

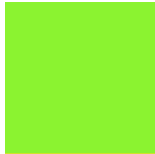
Protanopia
87, 80.592, 94.982

Deuteranopia
86, 41.398, 79.587



Tritanopia
87, 20.958, 225.205

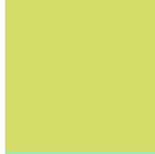
Trichromacy



Original Color
87, 96.608, 127.650



Protanomaly
86, 83.009, 109.483

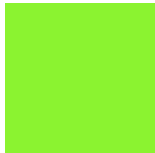


Deuteranomaly
85, 57.780, 108.554

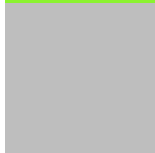


Tritanomaly
86, 41.281, 148.784

Monochromacy



Original Color
87, 96.608, 127.650



Achromatopsia
77, 0.009, 296.813



Achromatomaly
80, 39.396, 128.515

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 96.608, 127.650 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(139, 243, 48)` looks like.

```
.text, #text, p{  
    color:rgb(139, 243, 48)  
}
```

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(139, 243, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 243, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 96.608, 127.650 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(139, 243, 48) }
```

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

```
.border{ border-color:rgb(139, 243, 48) }
```

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

Here you see how a box with a 4 pixel rgb(139, 243, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 243, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 243, 48);  
box-shadow:4px 4px 4px 4px rgb(139, 243,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 96.608, 127.650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 243, 48) }
```

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

```
.background{ background-color: rgb(139,  
243, 48) }
```

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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