

Converting Colors

CIELCh(86, 117.139, 136.082)

Have a look what the booklet for
CIELCh(86, 117.139, 136.082)
contains.

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Color

CIELCh(86, 117.038, 136.081)

Conversions

Conversions Part 1

Format	Color
Hex	0AF908
RGB	10, 249, 8
RGB Percent	4%, 98%, 3%
CMY	0.9616, 0.0225, 0.9689
CMYK	0.96, 0.00, 0.97, 0.02
HSL	120°, 95%, 50%
HSV	120°, 97%, 98%
XYZ	34.1191, 67.9871, 11.5516
YIQ	150.0650, -65.0830, -125.6190

Conversions

Conversions Part 2

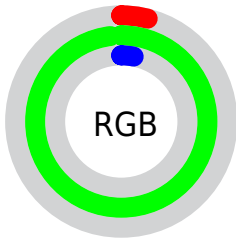
Format	Color
RYB	8, 249, 247
Decimal	719112
CIELab	86.00, -84.30, 81.18
CIELCh	86, 117.038, 136.081
Yxy	67.9871, 0.3002, 0.5982
Android (android.graphics.Color)	4278909192 (0xFF0AF908)
YUV	150.0650, -70.0380, -122.8370
Hunter-Lab	82.4543, -70.4327, 49.4117

Details

The CIELCh color **86, 117.038, 136.081** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **59, 113.083, 327.917**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 91.934, 135.715**, and **67, 96.381, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **86, 117.693, 135.994**, and if you desaturate by 10%, it is **86, 113.648, 136.486**.

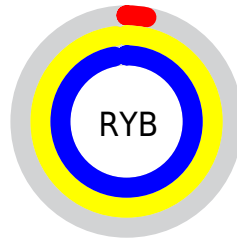
Distribution



Red (4%)

Green (98%)

Blue (3%)



Red (3%)

Yellow (98%)

Blue (97%)

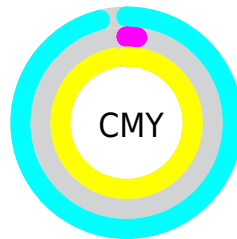


Cyan (96%)

Magenta (0%)

Yellow (97%)

Black (2%)



Cyan (96%)


Magenta (2%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 117.038, 136.081 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 86, 117.038, 136.081 by changing the saturation by 10% instead.


 86, 117.038,
136.081


 86, 117.038,
136.081


 100, 117.038,
136.081


 76, 117.038,
136.081


 66, 117.038,
136.081

 56, 117.038,
136.081

 46, 117.038,
136.081

 36, 117.038,
136.081

 26, 117.038,
136.081

 16, 117.038,

136.081

■ 6, 117.038,
136.081

■ 0, 117.038,
136.081

■ 86, 117.038,
136.081

■ 86, 117.038,
136.081

■ 86, 117.693,
135.994

■ 86, 113.648,
136.486

■ 87, 107.049,
137.252

■ 87, 97.506,
138.272

■ 88, 85.626,
139.393

■ 89, 72.049,
140.498

■ 91, 57.341,
141.515

■ 92, 41.965,
142.416

■ 94, 26.288,
143.197

■ 96, 10.590,
143.876

Harmonies

Complementary

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



86, 117.038, 136.081



59, 113.083, 327.917

Rectangle

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



86, 117.038, 136.081



86, 117.038, 186.081



86, 117.038, 316.081



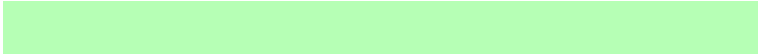
86, 117.038, 6.081

Sweetspot

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



86, 117.037, 136.082



94, 46.209, 142.227



94, 93.524, 101.850



49, 31.649, 141.845



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 117.037, 136.082



88, 119.743, 135.995



87, 88.217, 148.579



51, 8.872, 143.701



67, 95.474, 135.985



21, 42.411, 136.949

Inverse Universe

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



59, 113.083, 327.917



60, 115.603, 327.924



54, 83.143, 359.980



49, 8.887, 324.738



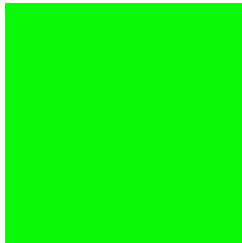
45, 92.185, 327.930



11, 41.707, 327.968

Previews

White Background



This preview shows how the CIELCh color 86, 117.038, 136.081 looks on a white background.

Color Contrast Check

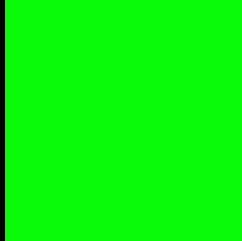
Large Text (above 18pt) WCAG AA × Fail

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 86, 117.038, 136.081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

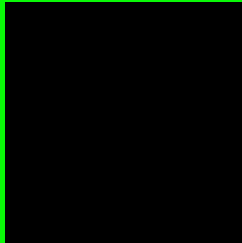
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

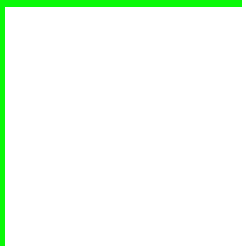
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 117.038, 136.081

Background



This preview shows how black text looks on a background with the CIELCh color 86, 117.038, 136.081.

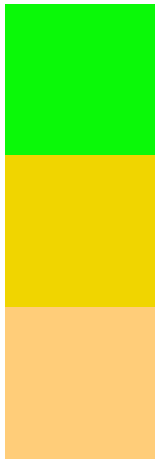


This preview shows how white text looks on a background with the CIELCh color 86, 117.038, 136.081.

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

86, 116.937, 136.081

Protanopia

85, 85.488, 94.903

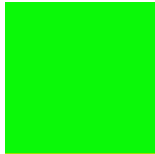
Deuteranopia

85, 48.809, 80.645



Tritanopia
86, 35.771, 212.751

Trichromacy



Original Color
86, 116.937, 136.081



Protanomaly
83, 93.454, 120.600

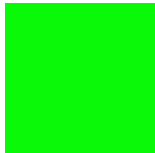


Deuteranomaly
82, 72.597, 122.234



Tritanomaly
85, 64.651, 157.529

Monochromacy



Original Color
86, 116.937, 136.081



Achromatopsia
62, 0.008, 296.813



Achromatomaly
68, 57.378, 140.459

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 117.038, 136.081 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(10, 249, 8)` looks like.

```
.text, #text, p{  
    color:rgb(10, 249, 8)  
}
```

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(10, 249, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 249, 8) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 117.038, 136.081 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(10, 249, 8) }
```

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

```
.border{ border-color:rgb(10, 249, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 249, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 249, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 249, 8);  
box-shadow:4px 4px 4px 4px rgb(10, 249, 8)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 86, 117.038, 136.081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 249, 8) }
```

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

```
.background{ background-color: rgb(10, 249,  
8) }
```

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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