

Converting Colors

CIELCh(87, 76.245, 138.113)

Have a look what the booklet for
CIELCh(87, 76.245, 138.113)
contains.

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Color

CIELCh(87, 76.175, 138.161)

Conversions

Conversions Part 1

Format	Color
Hex	80F374
RGB	128, 243, 116
RGB Percent	50%, 95%, 45%
CMY	0.4977, 0.0467, 0.5448
CMYK	0.47, 0.00, 0.52, 0.05
HSL	114°, 84%, 70%
HSV	114°, 52%, 95%
XYZ	44.1448, 70.0064, 27.7310
YIQ	194.1370, -27.7730, -63.8770

Conversions

Conversions Part 2

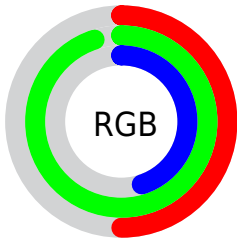
Format	Color
RYB	116, 243, 231
Decimal	8450932
CIELab	87.00, -56.75, 50.81
CIElCh	87, 76.175, 138.161
Yxy	70.0064, 0.3111, 0.4934
Android (android.graphics.Color)	4286641012 (0xFF80F374)
YUV	194.1370, -38.5215, -58.0021
Hunter-Lab	83.6698, -52.2443, 38.9182

Details

The CIELCh color **87, 76.175, 138.161** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **67, 76.477, 324.269**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 49.896, 136.993**, and **67, 76.206, 138.093** is the 20% darker color. If you saturate the color by 10%, you get **86, 88.647, 137.275**, and if you desaturate by 10%, it is **88, 62.480, 139.040**.

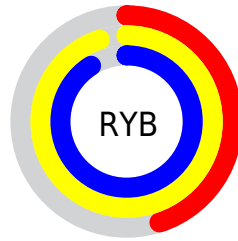
Distribution



Red (50%)

Green (95%)

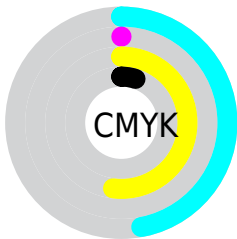
Blue (45%)



Red (45%)

Yellow (95%)

Blue (91%)

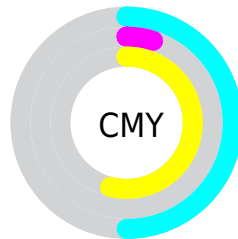


Cyan (47%)

Magenta (0%)

Yellow (52%)

Black (5%)



Cyan (50%)


Magenta (5%)


Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 76.175, 138.161 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, 76.175, 138.161 by changing the saturation by 10% instead.


 87, 76.175,
138.161


 87, 76.175,
138.161


 100, 76.175,
138.161


 77, 76.175,
138.161

 67, 76.175,
138.161

 57, 76.175,
138.161

 47, 76.175,
138.161

 37, 76.175,
138.161


 27, 76.175,
138.161


 17, 76.175,


138.161


 7, 76.175, 138.161


 0, 76.175, 138.161


 87, 76.175,
138.161


 87, 76.175,
138.161


 86, 88.647,
137.275


 88, 62.480,
139.040


 85, 99.314,
136.476


 90, 48.026,
139.856


 85, 107.533,
135.898

 91, 33.177,
140.586

 84, 112.791,
135.665

 93, 18.205,
141.227

 84, 114.975,

 95, 3.312, 141.839

135.675



97, 7.423, 324.658

Harmonies

Complementary

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



87, 76.175, 138.161



67, 76.477, 324.269

Rectangle

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



87, 76.175, 138.161



87, 76.175, 188.161



87, 76.175, 318.161



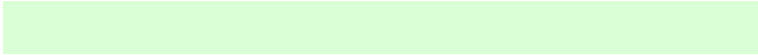
87, 76.175, 8.161

Sweetspot

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



87, 76.176, 138.162



97, 24.764, 140.993



90, 57.416, 100.195



51, 16.731, 140.862



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, 76.176, 138.162



90, 93.016, 137.196



87, 58.291, 153.252



50, 8.481, 141.390



66, 94.001, 135.590



21, 40.307, 135.978

Inverse Universe

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



67, 76.477, 324.269



65, 92.960, 324.593



66, 59.756, 343.557



48, 8.509, 322.315



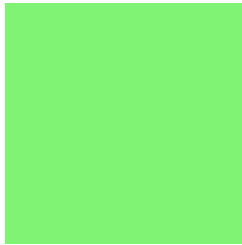
41, 91.795, 324.562



10, 40.768, 325.037

Previews

White Background



This preview shows how the CIE LCh color 87, 76.175, 138.161 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, 76.175, 138.161 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, 76.175, 138.161

Background



This preview shows how black text looks on a background with the CIELCh color 87, 76.175, 138.161.

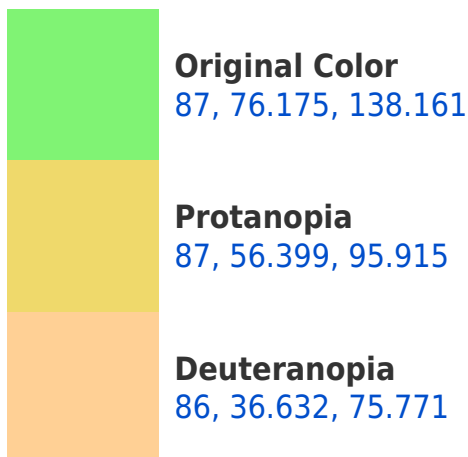


This preview shows how white text looks on a background with the CIELCh color 87, 76.175, 138.161.

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





Tritanopia
87, 24.687, 220.649

Trichromacy



Original Color
87, 76.175, 138.161



Protanomaly
86, 59.130, 116.033



Deuteranomaly
86, 43.299, 112.911

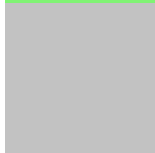


Tritanomaly
86, 35.487, 165.923

Monochromacy



Original Color
87, 76.175, 138.161



Achromatopsia
78, 0.009, 296.813



Achromatomaly
81, 29.023, 140.834

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 76.175, 138.161 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(128, 243, 116)` looks like.

```
.text, #text, p{  
    color:rgb(128, 243, 116)  
}
```

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(128, 243, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 243, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 76.175, 138.161 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(128, 243, 116) }
```

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

```
.border{ border-color:rgb(128, 243, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 243, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 243, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 243, 116);  
box-shadow:4px 4px 4px 4px rgb(128, 243,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 76.175, 138.161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 243, 116) }
```

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

```
.background{ background-color: rgb(128,  
243, 116) }
```

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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