

Converting Colors

CIELCh(87, 54.793, 147.581)

Have a look what the booklet for
CIELCh(87, 54.793, 147.581)
contains.

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Color

CIELCh(87, 55.019, 147.436)

Conversions

Conversions Part 1

Format	Color
Hex	8AF0A0
RGB	138, 240, 160
RGB Percent	54%, 94%, 63%
CMY	0.4602, 0.0602, 0.3739
CMYK	0.43, 0.00, 0.33, 0.06
HSL	133°, 77%, 74%
HSV	133°, 43%, 94%
XYZ	47.7919, 70.0064, 44.0976
YIQ	200.3820, -35.1120, -46.5040

Conversions

Conversions Part 2

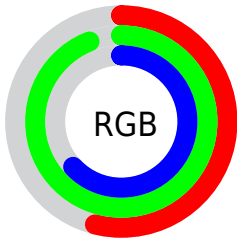
Format	Color
RYB	138, 222, 240
Decimal	9105568
CIELab	87.00, -46.37, 29.61
CIELCh	87, 55.019, 147.436
Yxy	70.0064, 0.2952, 0.4324
Android (android.graphics.Color)	4287295648 (0xFF8AF0A0)
YUV	200.3820, -19.9083, -54.7090
Hunter-Lab	83.6698, -44.4636, 27.3205

Details

The CIELCh color **87, 55.019, 147.436** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **71, 55.174, 333.972**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 29.561, 153.786**, and **67, 54.798, 147.561** is the 20% darker color. If you saturate the color by 10%, you get **86, 67.024, 146.193**, and if you desaturate by 10%, it is **88, 42.405, 148.516**.

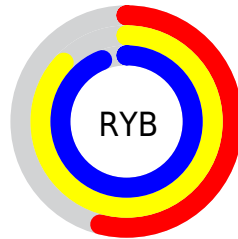
Distribution



Red (54%)

Green (94%)

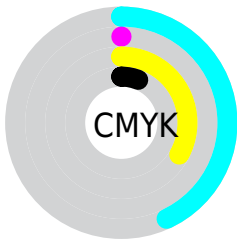
Blue (63%)



Red (54%)

Yellow (87%)

Blue (94%)

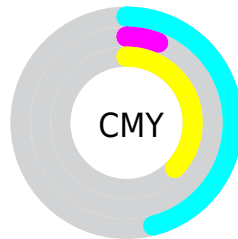


Cyan (43%)

Magenta (0%)

Yellow (33%)

Black (6%)



Cyan (46%)

Magenta (6%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 55.019, 147.436 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, 55.019, 147.436 by changing the saturation by 10% instead.

■ 87, 55.019,
147.436

■ 87, 55.019,
147.436

■ 100, 55.019,
147.436

■ 77, 55.019,
147.436

■ 67, 55.019,
147.436

■ 57, 55.019,
147.436

■ 47, 55.019,
147.436


■ 37, 55.019,
147.436


■ 27, 55.019,
147.436

■ 17, 55.019,


147.436


 7, 55.019, 147.436


 0, 55.019, 147.436

 87, 55.019,
147.436

 87, 55.019,
147.436


 86, 67.024,
146.193


 88, 42.405,
148.516

 85, 78.130,
144.781


 90, 29.440,
149.449

 84, 88.053,
143.211

 92, 16.347,
150.259

 84, 96.531,
141.527


 94, 3.306, 151.037

 83, 103.347,

 96, 9.002, 327.279

139.812

 96, 9.574, 324.742

 83, 107.315,
138.628

Harmonies

Complementary

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



87, 55.019, 147.436



71, 55.174, 333.972

Rectangle

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



87, 55.019, 147.436



87, 55.019, 197.436



87, 55.019, 327.436



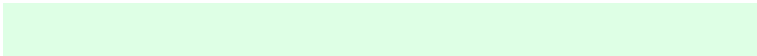
87, 55.019, 17.436

Sweetspot

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



87, 55.020, 147.436



97, 17.795, 150.223



91, 51.835, 115.092



51, 12.464, 150.051



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, 55.020, 147.436



91, 68.550, 146.376



88, 37.213, 171.478



49, 7.383, 150.491



65, 87.280, 138.920



19, 35.456, 142.069

Inverse Universe

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



71, 55.174, 333.972



70, 68.391, 334.622



69, 42.326, 1.311



47, 7.408, 331.662



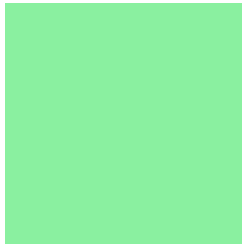
41, 76.428, 339.134



9, 34.114, 337.305

Previews

White Background



This preview shows how the CIE LCh color 87, 55.019, 147.436 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, 55.019, 147.436 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, 55.019, 147.436

Background



This preview shows how black text looks on a background with the CIELCh color 87, 55.019, 147.436.

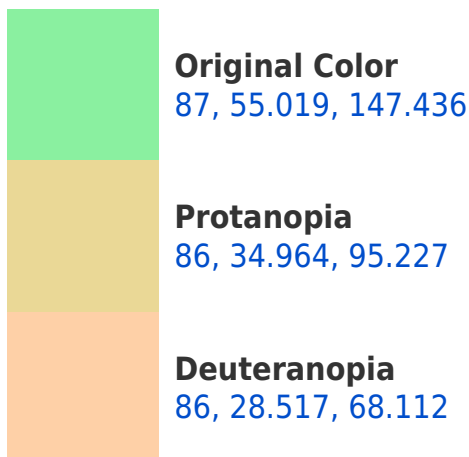


This preview shows how white text looks on a background with the CIELCh color 87, 55.019, 147.436.

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



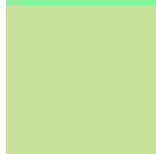


Tritanopia
87, 23.952, 221.425

Trichromacy



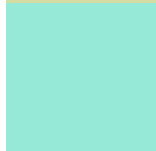
Original Color
87, 55.019, 147.436



Protanomaly
86, 37.951, 122.592



Deuteranomaly
86, 29.175, 113.850



Tritanomaly
87, 29.188, 178.518

Monochromacy



Original Color
87, 55.019, 147.436



Achromatopsia
81, 0.010, 296.813



Achromatomaly
82, 20.557, 149.910

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 55.019, 147.436 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(138, 240, 160)` looks like.

```
.text, #text, p{  
    color:rgb(138, 240, 160)  
}
```

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(138, 240, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 240, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 55.019, 147.436 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(138, 240, 160) }
```

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

```
.border{ border-color:rgb(138, 240, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 240, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 240, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 240, 160);  
box-shadow:4px 4px 4px 4px rgb(138, 240,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 55.019, 147.436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 240, 160) }
```

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

```
.background{ background-color: rgb(138,  
240, 160) }
```

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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