

Converting Colors

CIELCh(87, 52.567, 117.361)

Have a look what the booklet for
CIELCh(87, 52.567, 117.361)
contains.

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Color

CIELCh(87, 52.588, 117.349)

Conversions

Conversions Part 1

Format	Color
Hex	CBE57F
RGB	203, 229, 127
RGB Percent	80%, 90%, 50%
CMY	0.2054, 0.1034, 0.5033
CMYK	0.11, 0.00, 0.45, 0.10
HSL	75°, 66%, 70%
HSV	75°, 45%, 90%
XYZ	56.2567, 70.0064, 30.5107
YIQ	209.5980, 17.2460, -37.2340

Conversions

Conversions Part 2

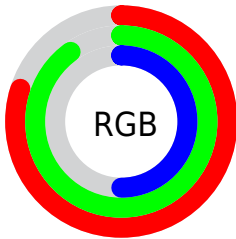
Format	Color
RYB	127, 229, 153
Decimal	13362559
CIELab	87.00, -24.16, 46.71
CIELCh	87, 52.588, 117.349
Yxy	70.0064, 0.3588, 0.4465
Android (android.graphics.Color)	4291552639 (0xFFCBE57F)
YUV	209.5980, -40.7208, -5.7864
Hunter-Lab	83.6698, -26.4049, 36.9484

Details

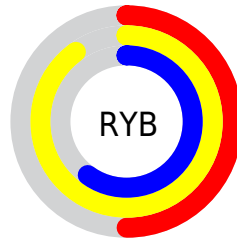
The CIELCh color **87, 52.588, 117.349** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **59, 58.260, 303.759**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 37.154, 107.345**, and **67, 52.371, 117.256** is the 20% darker color. If you saturate the color by 10%, you get **86, 63.342, 116.851**, and if you desaturate by 10%, it is **88, 41.225, 117.936**.

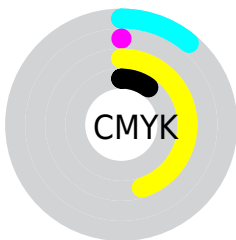
Distribution



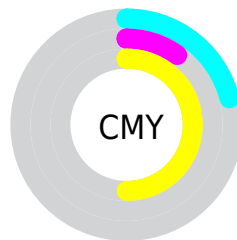
- Red (80%)
- Green (90%)
- Blue (50%)



- Red (50%)
- Yellow (90%)
- Blue (60%)



- Cyan (11%)
- Magenta (0%)
- Yellow (45%)
- Black (10%)



- Cyan (21%)
- Magenta (10%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 52.588, 117.349 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, 52.588, 117.349 by changing the saturation by 10% instead.

■ 87, 52.588,
117.349

■ 87, 52.588,
117.349

■ 100, 52.588,
117.349

■ 77, 52.588,
117.349

■ 67, 52.588,
117.349

■ 57, 52.588,
117.349

■ 47, 52.588,
117.349

■ 37, 52.588,
117.349


■ 27, 52.588,
117.349

■ 17, 52.588,


117.349


 7, 52.588, 117.349


 0, 52.588, 117.349


 87, 52.588,
117.349


 87, 52.588,
117.349


 86, 63.342,
116.851


 88, 41.225,
117.936

 86, 73.121,
116.503

 89, 29.495,
118.561


 85, 81.438,
116.396

 89, 17.561,
119.197

 85, 87.740,
116.637

 90, 5.534, 119.826

 84, 91.638,

 91, 6.513, 300.417

117.312

92, 14.040,
303.898

84, 92.983,
117.813

93, 14.625,
311.636

93, 15.454,
318.743

94, 16.473,
324.995

Harmonies

Complementary

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



87, 52.588, 117.349



59, 58.260, 303.759

Rectangle

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



87, 52.588, 117.349



87, 52.588, 167.349



87, 52.588, 297.349



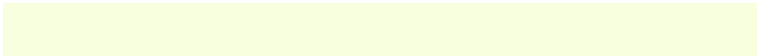
87, 52.588, 347.349

Sweetspot

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



87, 52.590, 117.351



99, 17.086, 119.293



70, 36.024, 44.279



52, 11.951, 119.153



0, 0.000, 0.000



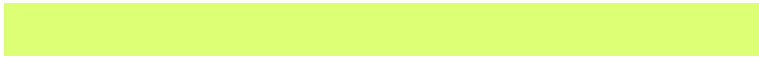
53, 0.007, 296.813

Same Dimension

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



87, 52.590, 117.351



95, 68.477, 116.863



84, 59.723, 134.901



48, 6.855, 119.522



67, 77.176, 117.601



19, 30.168, 117.255

Inverse Universe

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



59, 58.260, 303.759



59, 78.091, 304.789



65, 61.257, 319.190



44, 6.992, 300.710



23, 100.058, 307.810



3, 34.293, 302.929

Previews

White Background



This preview shows how the CIELCh color 87, 52.588, 117.349 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, 52.588, 117.349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

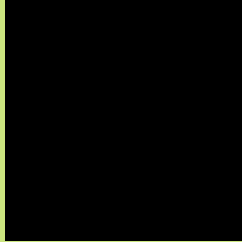
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 52.588, 117.349

Background



This preview shows how black text looks on a background with the CIELCh color 87, 52.588, 117.349.



This preview shows how white text looks on a background with the CIELCh color 87, 52.588, 117.349.

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, 52.588, 117.349

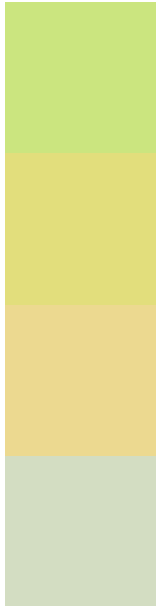
Protanopia
87, 49.313, 95.809

Deuteranopia
87, 34.743, 75.835



Tritanopia
87, 8.912, 290.927

Trichromacy



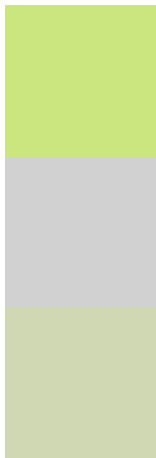
Original Color
87, 52.588, 117.349

Protanomaly
87, 49.788, 104.055

Deuteranomaly
87, 38.496, 95.349

Tritanomaly
87, 14.569, 123.795

Monochromacy



Original Color
87, 52.588, 117.349

Achromatopsia
84, 0.010, 296.813

Achromatomaly
85, 19.630, 118.569

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 52.588, 117.349 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(203, 229, 127)` looks like.

```
.text, #text, p{  
    color:rgb(203, 229, 127)  
}
```

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(203, 229, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 229, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 52.588, 117.349 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(203, 229, 127) }
```

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

```
.border{ border-color:rgb(203, 229, 127) }
```

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

Here you see how a box with a 4 pixel rgb(203, 229, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 229, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 229, 127);  
box-shadow:4px 4px 4px 4px rgb(203, 229,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 52.588, 117.349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 229, 127) }
```

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

```
.background{ background-color: rgb(203,  
229, 127) }
```

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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