

Converting Colors

CIELCh(87, 47.617, 118.102)

Have a look what the booklet for
CIELCh(87, 47.617, 118.102)
contains.

CIELCh(87, 47.841, 118.294)	3
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Color

CIELCh(87, 47.841, 118.294)

Conversions

Conversions Part 1

Format	Color
Hex	CBE488
RGB	203, 228, 136
RGB Percent	80%, 89%, 53%
CMY	0.2037, 0.1056, 0.4664
CMYK	0.11, 0.00, 0.40, 0.11
HSL	76°, 63%, 71%
HSV	76°, 40%, 89%
XYZ	56.8550, 70.0064, 33.8308
YIQ	210.0370, 14.6320, -33.9120

Conversions

Conversions Part 2

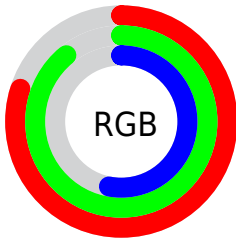
Format	Color
RYB	136, 228, 161
Decimal	13362312
CIELab	87.00, -22.68, 42.13
CIELCh	87, 47.841, 118.294
Yxy	70.0064, 0.3538, 0.4357
Android (android.graphics.Color)	4291552392 (0xFFCBE488)
YUV	210.0370, -36.5002, -6.1714
Hunter-Lab	83.6698, -25.1285, 34.5957

Details

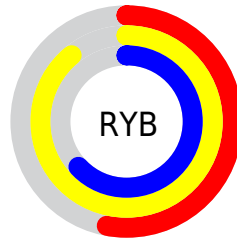
The CIELCh color **87, 47.841, 118.294** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **62, 52.281, 303.849**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 32.709, 107.688**, and **67, 48.254, 118.626** is the 20% darker color. If you saturate the color by 10%, you get **86, 58.911, 117.769**, and if you desaturate by 10%, it is **88, 36.284, 118.887**.

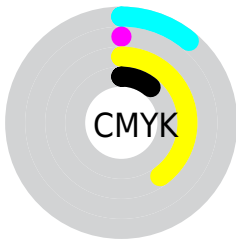
Distribution



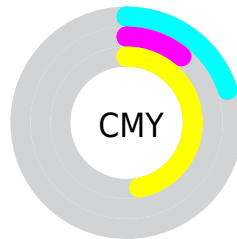
- Red (80%)
- Green (89%)
- Blue (53%)



- Red (53%)
- Yellow (89%)
- Blue (63%)



- Cyan (11%)
- Magenta (0%)
- Yellow (40%)
- Black (11%)



- Cyan (20%)
- Magenta (11%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 47.841, 118.294 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, 47.841, 118.294 by changing the saturation by 10% instead.

 87, 47.841,
118.294

 87, 47.841,
118.294

 100, 47.841,
118.294

 77, 47.841,
118.294

 67, 47.841,
118.294

 57, 47.841,
118.294

 47, 47.841,
118.294

 37, 47.841,
118.294

 27, 47.841,
118.294

 17, 47.841,


118.294

 7, 47.841, 118.294


 0, 47.841, 118.294


 87, 47.841,
118.294


 87, 47.841,
118.294


 86, 58.911,
117.769


 88, 36.284,
118.887

 86, 69.182,
117.364

 89, 24.440,
119.503


 85, 78.221,
117.163

 90, 12.448,
120.120

 85, 85.489,
117.268

 91, 0.401, 120.821

 84, 90.489,

 92, 11.637,
301.286

117.785

92, 14.619,
307.887

84, 93.258,
118.670

93, 15.380,
315.611

93, 16.392,
322.579

93, 16.834,
325.008

Harmonies

Complementary

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



87, 47.841, 118.294



62, 52.281, 303.849

Rectangle

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



87, 47.841, 118.294



87, 47.841, 168.294



87, 47.841, 298.294



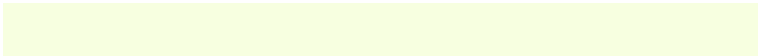
87, 47.841, 348.294

Sweetspot

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



87, 47.843, 118.296



99, 15.811, 120.014



72, 31.724, 45.939



53, 10.486, 119.933



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, 47.843, 118.296



95, 61.691, 117.869



84, 54.385, 135.631



48, 6.871, 120.174



67, 77.542, 118.451



19, 30.283, 118.064

Inverse Universe

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



62, 52.281, 303.849



63, 68.913, 304.632



67, 55.557, 319.545



44, 7.006, 301.326



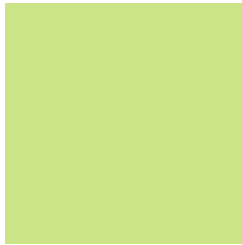
23, 99.798, 307.999



3, 34.356, 303.395

Previews

White Background



This preview shows how the CIELCh color 87, 47.841, 118.294 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, 47.841, 118.294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

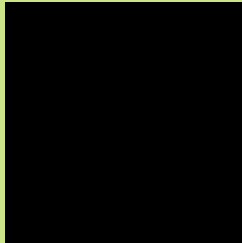
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 47.841, 118.294

Background



This preview shows how black text looks on a background with the CIELCh color 87, 47.841, 118.294.

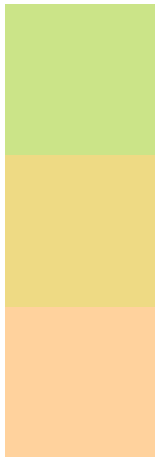


This preview shows how white text looks on a background with the CIELCh color 87, 47.841, 118.294.

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](#).

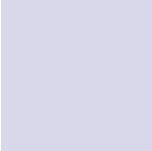
Dichromacy



Original Color
87, 47.841, 118.294

Protanopia
87, 44.912, 95.811

Deuteranopia
87, 33.396, 74.668

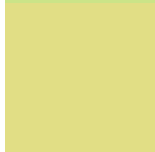


Tritanopia
87, 9.436, 290.970

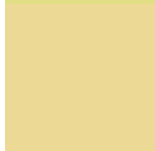
Trichromacy



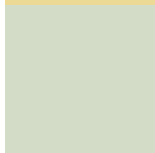
Original Color
87, 47.841, 118.294



Protanomaly
87, 45.438, 104.777



Deuteranomaly
87, 36.021, 94.832

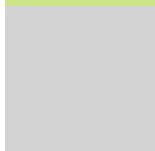


Tritanomaly
87, 11.969, 125.353

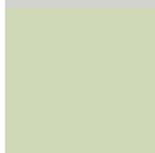
Monochromacy



Original Color
87, 47.841, 118.294



Achromatopsia
84, 0.010, 296.813



Achromatomaly
85, 18.163, 120.673

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 47.841, 118.294 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, 228, 136)` looks like.

```
.text, #text, p{  
    color:rgb(203, 228, 136)  
}
```

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, 228, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 228, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 47.841, 118.294 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, 228, 136) }
```

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

```
.border{ border-color:rgb(203, 228, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 228, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 228, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 228, 136);  
box-shadow:4px 4px 4px 4px rgb(203, 228,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 47.841, 118.294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 228, 136) }
```

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

```
.background{ background-color: rgb(203,  
228, 136) }
```

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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