

Converting Colors

CIELCh(87, 49.061, 113.143)

Have a look what the booklet for
CIELCh(87, 49.061, 113.143)
contains.

CIELCh(87, 49.088, 113.184)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(87, 49.088, 113.184)

Conversions

Conversions Part 1

Format	Color
Hex	D3E282
RGB	211, 226, 130
RGB Percent	83%, 89%, 51%
CMY	0.1717, 0.1129, 0.4894
CMYK	0.07, 0.00, 0.42, 0.11
HSL	69°, 63%, 70%
HSV	69°, 42%, 89%
XYZ	58.2227, 70.0064, 31.6335
YIQ	210.5710, 21.8760, -33.0360

Conversions

Conversions Part 2

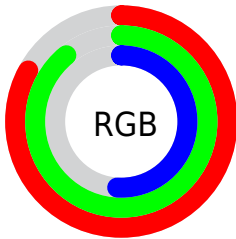
Format	Color
R_{YB}	130, 226, 145
Decimal	13886082
CIE _{Lab}	87.00, -19.33, 45.12
CIE _{LCh}	87, 49.088, 113.184
Yxy	70.0064, 0.3642, 0.4379
Android (android.graphics.Color)	4292076162 (0xFFD3E282)
YUV	210.5710, -39.7215, 0.3762
Hunter-Lab	83.6698, -22.2108, 36.1528

Details

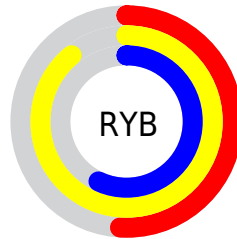
The CIELCh color **87, 49.088, 113.184** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **59, 54.567, 300.545**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 35.677, 107.459**, and **67, 49.320, 113.211** is the 20% darker color. If you saturate the color by 10%, you get **86, 59.713, 112.546**, and if you desaturate by 10%, it is **88, 37.905, 113.896**.

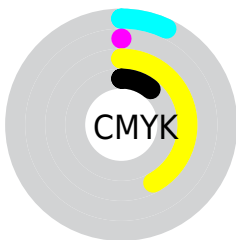
Distribution



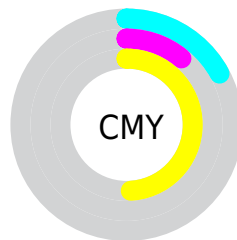
- Red (83%)
- Green (89%)
- Blue (51%)



- Red (51%)
- Yellow (89%)
- Blue (57%)



- Cyan (7%)
- Magenta (0%)
- Yellow (42%)
- Black (11%)



- Cyan (17%)
- Magenta (11%)
- Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 49.088, 113.184 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, 49.088, 113.184 by changing the saturation by 10% instead.

 87, 49.088,
113.184

 87, 49.088,
113.184

 100, 49.088,
113.184

 77, 49.088,
113.184

 67, 49.088,
113.184

 57, 49.088,
113.184

 47, 49.088,
113.184

 37, 49.088,
113.184

 27, 49.088,
113.184

 17, 49.088,


113.184

 7, 49.088, 113.184


 0, 49.088, 113.184

 87, 49.088,
113.184


 87, 49.088,
113.184

 86, 59.713,
112.546

 88, 37.905,
113.896

 86, 69.439,
112.026

 88, 26.385,
114.638

 86, 77.802,
111.697

 89, 14.677,
115.386

 85, 84.247,
111.644

 90, 2.879, 116.123

 85, 88.322,

 91, 8.945, 296.840

111.939

91, 15.124,
299.394

85, 90.025,
112.370

91, 15.350,
303.876

92, 15.666,
308.233

92, 16.068,
312.424

Harmonies

Complementary

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



87, 49.088, 113.184



59, 54.567, 300.545

Rectangle

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



87, 49.088, 113.184



87, 49.088, 163.184



87, 49.088, 293.184



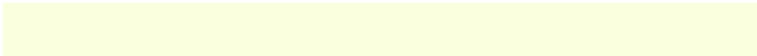
87, 49.088, 343.184

Sweetspot

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



87, 49.090, 113.186



99, 16.895, 115.339



68, 35.739, 35.076



53, 11.816, 115.173



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, 49.090, 113.186



96, 64.125, 112.612



84, 54.780, 132.082



47, 6.656, 115.610



68, 74.572, 112.221



18, 28.228, 112.508

Inverse Universe

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



59, 54.567, 300.545



60, 73.399, 301.754



64, 56.944, 315.968



43, 6.800, 297.035



21, 100.246, 306.948



2, 31.909, 299.603

Previews

White Background



This preview shows how the CIELCh color 87, 49.088, 113.184 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, 49.088, 113.184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

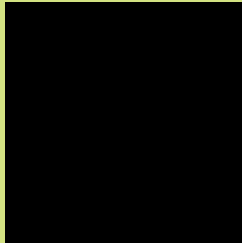
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 49.088, 113.184

Background



This preview shows how black text looks on a background with the CIELCh color 87, 49.088, 113.184.



This preview shows how white text looks on a background with the CIELCh color 87, 49.088, 113.184.

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](#).

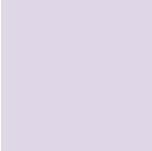
Dichromacy



Original Color
87, 49.088, 113.184

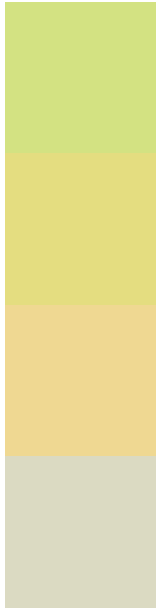
Protanopia
87, 47.322, 96.095

Deuteranopia
87, 34.292, 75.457



Tritanopia
87, 9.505, 310.394

Trichromacy



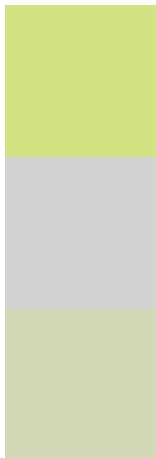
Original Color
87, 49.088, 113.184

Protanomaly
87, 47.486, 102.667

Deuteranomaly
87, 37.445, 92.584

Tritanomaly
87, 12.511, 107.395

Monochromacy



Original Color
87, 49.088, 113.184

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 18.402, 115.734

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 49.088, 113.184 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(211, 226, 130)` looks like.

```
.text, #text, p{  
    color:rgb(211, 226, 130)  
}
```

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(211, 226, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 226, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 49.088, 113.184 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(211, 226, 130) }
```

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

```
.border{ border-color:rgb(211, 226, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 226, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 226, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 226, 130);  
box-shadow:4px 4px 4px 4px rgb(211, 226,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 49.088, 113.184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 226, 130) }
```

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

```
.background{ background-color: rgb(211,  
226, 130) }
```

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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