

Converting Colors

CIELCh(87, 49.226, 110.809)

Have a look what the booklet for
CIELCh(87, 49.226, 110.809)
contains.

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Color

CIELCh(87, 48.892, 110.840)

Conversions

Conversions Part 1

Format	Color
Hex	D7E181
RGB	215, 225, 129
RGB Percent	84%, 88%, 51%
CMY	0.1562, 0.1169, 0.4935
CMYK	0.04, 0.00, 0.43, 0.12
HSL	66°, 62%, 69%
HSV	66°, 43%, 88%
XYZ	59.0207, 70.0064, 31.2273
YIQ	211.0660, 24.8560, -31.9760

Conversions

Conversions Part 2

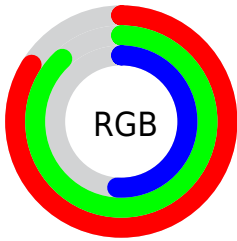
Format	Color
RYB	129, 225, 139
Decimal	14147969
CIELab	87.00, -17.39, 45.69
CIElCh	87, 48.892, 110.840
Yxy	70.0064, 0.3683, 0.4368
Android (android.graphics.Color)	4292338049 (0xFFD7E181)
YUV	211.0660, -40.4585, 3.4501
Hunter-Lab	83.6698, -20.5082, 36.4407

Details

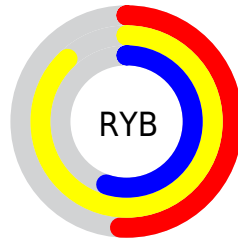
The CIELCh color **87, 48.892, 110.840** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **59, 54.571, 299.035**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 36.170, 107.421**, and **67, 49.067, 110.718** is the 20% darker color. If you saturate the color by 10%, you get **87, 59.398, 110.129**, and if you desaturate by 10%, it is **88, 37.819, 111.622**.

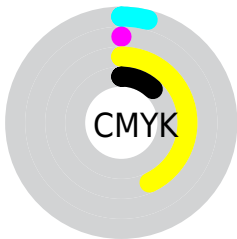
Distribution



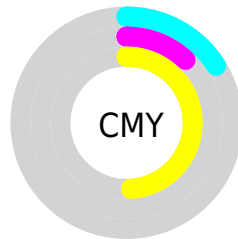
- Red (84%)
- Green (88%)
- Blue (51%)



- Red (51%)
- Yellow (88%)
- Blue (55%)



- Cyan (4%)
- Magenta (0%)
- Yellow (43%)
- Black (12%)



- Cyan (16%)
- Magenta (12%)
- Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 48.892, 110.840 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, 48.892, 110.840 by changing the saturation by 10% instead.

 87, 48.892,
110.840


 87, 48.892,
110.840

 100, 48.892,
110.840

 77, 48.892,
110.840

 67, 48.892,
110.840

 57, 48.892,
110.840

 47, 48.892,
110.840

 37, 48.892,
110.840

 27, 48.892,
110.840

 17, 48.892,


110.840

 7, 48.892, 110.840


 0, 48.892, 110.840


 87, 48.892,
110.840


 87, 48.892,
110.840


 87, 59.398,
110.129


 88, 37.819,
111.622

 86, 68.992,
109.528

 88, 26.402,
112.433

 86, 77.204,
109.099

 89, 14.792,
113.250

 86, 83.478,
108.914

 89, 3.086, 114.052

 85, 87.368,

 90, 8.652, 294.852

109.033

91, 15.582,
296.503

85, 88.913,
109.290

91, 15.682,
299.412

91, 15.821,
302.290

91, 15.998,
305.125

Harmonies

Complementary

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



87, 48.892, 110.840



59, 54.571, 299.035

Rectangle

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



87, 48.892, 110.840



87, 48.892, 160.840



87, 48.892, 290.840



87, 48.892, 340.840

Sweetspot

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



87, 48.893, 110.843



99, 16.828, 113.214



67, 37.137, 30.977



53, 11.768, 113.032



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, 48.893, 110.843



97, 63.814, 110.216



84, 54.021, 130.481



47, 6.631, 113.510



68, 73.928, 109.189



19, 28.050, 109.696

Inverse Universe

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



59, 54.571, 299.035



59, 73.400, 300.386



63, 56.595, 314.395



43, 6.777, 295.081



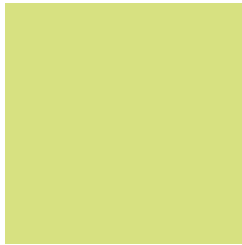
21, 100.711, 306.650



2, 31.802, 298.353

Previews

White Background



This preview shows how the CIELCh color 87, 48.892, 110.840 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, 48.892, 110.840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

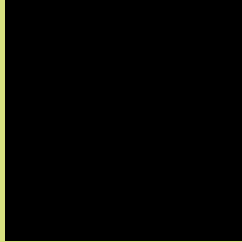
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 48.892, 110.840

Background



This preview shows how black text looks on a background with the CIELCh color 87, 48.892, 110.840.

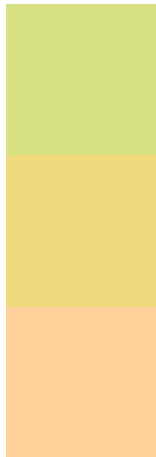


This preview shows how white text looks on a background with the CIELCh color 87, 48.892, 110.840.

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, 48.892, 110.840

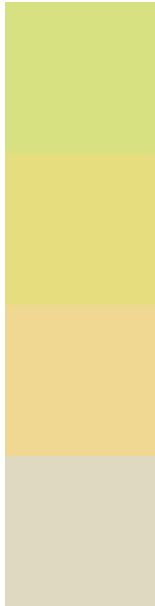
Protanopia
87, 47.883, 95.655

Deuteranopia
87, 34.292, 75.457



Tritanopia
87, 10.253, 319.820

Trichromacy



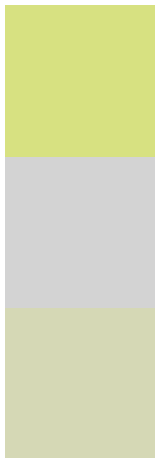
Original Color
87, 48.892, 110.840

Protanomaly
87, 48.031, 101.674

Deuteranomaly
87, 37.675, 91.379

Tritanomaly
87, 12.706, 98.854

Monochromacy



Original Color
87, 48.892, 110.840

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 18.297, 112.196

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 48.892, 110.840 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(215, 225, 129)` looks like.

```
.text, #text, p{  
    color:rgb(215, 225, 129)  
}
```

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(215, 225, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 225, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 48.892, 110.840 is called "border". The border property can be set on classes, ids or directly on the HTML element.

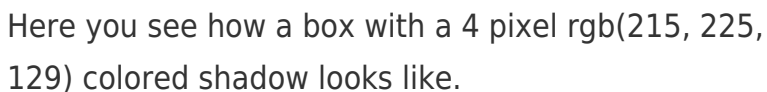
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 225, 129) }
```

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

```
.border{ border-color:rgb(215, 225, 129) }
```

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



Here you see how a box with a 4 pixel `rgb(215, 225, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 225, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 225, 129);  
box-shadow:4px 4px 4px 4px rgb(215, 225,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 48.892, 110.840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 225, 129) }
```

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

```
.background{ background-color: rgb(215,  
225, 129) }
```

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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