

Converting Colors

CIELCh(87, 13.789, 114.954)

Have a look what the booklet for
CIELCh(87, 13.789, 114.954)
contains.

CIELCh(87, 13.585, 113.776)	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, 13.585, 113.776)

Conversions

Conversions Part 1

Format	Color
Hex	D9DCC2
RGB	217, 220, 194
RGB Percent	85%, 86%, 76%
CMY	0.1481, 0.1363, 0.2383
CMYK	0.01, 0.00, 0.12, 0.14
HSL	67°, 27%, 81%
HSV	67°, 12%, 86%
XYZ	64.1067, 70.0064, 61.3111
YIQ	216.1390, 6.5580, -8.7220

Conversions

Conversions Part 2

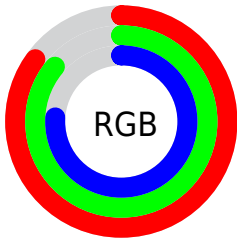
Format	Color
RYB	194, 220, 197
Decimal	14277826
CIELab	87.00, -5.48, 12.43
CIElCh	87, 13.585, 113.776
Yxy	70.0064, 0.3280, 0.3582
Android (android.graphics.Color)	4292467906 (0xFFD9DCC2)
YUV	216.1390, -10.9145, 0.7551
Hunter-Lab	83.6698, -9.6579, 15.1227

Details

The CIELCh color **87, 13.585, 113.776** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79, 13.953, 295.723**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 2.017, 109.989**, and **67, 13.776, 113.723** is the 20% darker color. If you saturate the color by 10%, you get **86, 25.011, 112.981**, and if you desaturate by 10%, it is **88, 2.076, 114.564**.

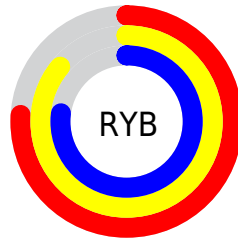
Distribution



Red (85%)

Green (86%)

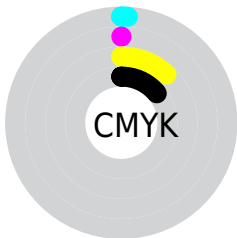
Blue (76%)



Red (76%)

Yellow (86%)

Blue (77%)

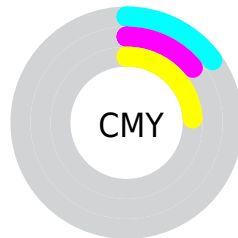


Cyan (1%)

Magenta (0%)

Yellow (12%)

Black (14%)



Cyan (15%)


Magenta (14%)


Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 13.585, 113.776 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, 13.585, 113.776 by changing the saturation by 10% instead.


 87, 13.585,
113.776


 87, 13.585,
113.776


 100, 13.585,
113.776


 77, 13.585,
113.776

 67, 13.585,
113.776

 57, 13.585,
113.776

 47, 13.585,
113.776

 37, 13.585,
113.776

 27, 13.585,
113.776

 17, 13.585,

113.776

■ 7, 13.585, 113.776

■ 0, 13.585, 113.776

■ 87, 13.585,
113.776

■ 87, 13.585,
113.776

■ 86, 25.011,
112.981

■ 88, 2.076, 114.564

■ 86, 36.255,
112.186

■ 88, 9.460, 295.344

■ 85, 47.180,
111.419

■ 89, 18.225,
296.555

■ 85, 57.571,
110.716

■ 89, 18.327,
299.241

■ 84, 67.106,

■ 90, 18.469,
301.905

110.122

90, 18.649,
304.536

84, 75.335,
109.698

90, 18.866,
307.126

84, 81.717,
109.518

90, 19.121,
309.664

84, 85.792,
109.647

90, 19.411,
312.144

83, 87.589,
109.962

Harmonies

Complementary

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



87, 13.585, 113.776



79, 13.953, 295.723

Rectangle

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



87, 13.585, 113.776



87, 13.585, 163.776



87, 13.585, 293.776



87, 13.585, 343.776

Sweetspot

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



87, 13.587, 113.782



100, 5.183, 114.395



81, 8.906, 28.869



53, 3.684, 114.336



0, 0.000, 0.000



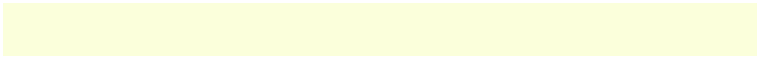
53, 0.007, 296.813

Same Dimension

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



87, 13.587, 113.782



99, 18.131, 113.598



86, 14.796, 131.990



46, 6.511, 113.971



67, 73.251, 109.852



18, 26.649, 110.642

Inverse Universe

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



79, 13.953, 295.723



89, 18.714, 295.942



80, 14.990, 312.972



42, 6.654, 295.506



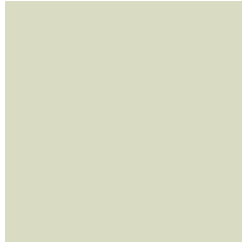
21, 99.532, 306.712



2, 29.760, 297.752

Previews

White Background



This preview shows how the CIELCh color 87, 13.585, 113.776 looks on a white background.

Color Contrast Check

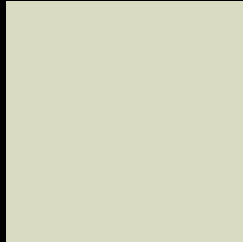
Large Text (above 18pt) WCAG AA × Fail

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, 13.585, 113.776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

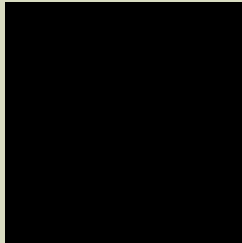
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

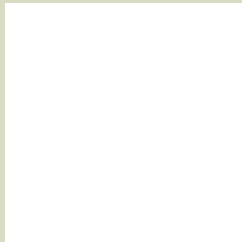
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 13.585, 113.776

Background



This preview shows how black text looks on a background with the CIELCh color 87, 13.585, 113.776.

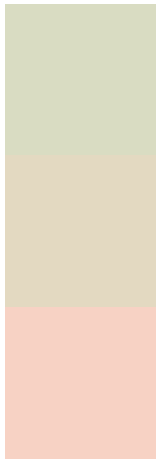


This preview shows how white text looks on a background with the CIELCh color 87, 13.585, 113.776.

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](#).

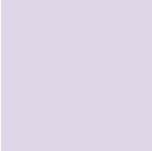
Dichromacy



Original Color
87, 13.585, 113.776

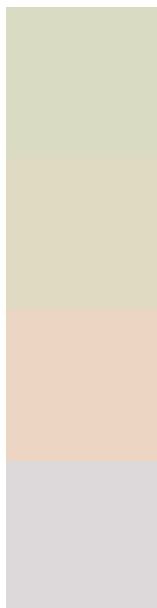
Protanopia
87, 13.058, 92.274

Deuteranopia
87, 15.958, 47.332



Tritanopia
87, 9.382, 308.358

Trichromacy



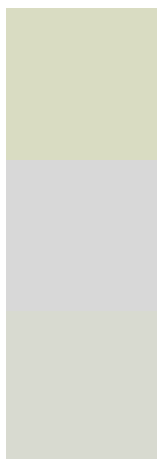
Original Color
87, 13.585, 113.776

Protanomaly
87, 13.150, 100.829

Deuteranomaly
87, 12.978, 69.279

Tritanomaly
87, 1.544, 359.339

Monochromacy



Original Color
87, 13.585, 113.776

Achromatopsia
86, 0.010, 296.813

Achromatomaly
87, 5.273, 117.688

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 13.585, 113.776 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(217, 220, 194)` looks like.

```
.text, #text, p{  
    color:rgb(217, 220, 194)  
}
```

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(217, 220, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 220, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 13.585, 113.776 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(217, 220, 194) }
```

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

```
.border{ border-color:rgb(217, 220, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 220, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 220, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 220, 194);  
box-shadow:4px 4px 4px 4px rgb(217, 220,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 13.585, 113.776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 220, 194) }
```

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

```
.background{ background-color: rgb(217,  
220, 194) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor