

Converting Colors

CIELCh(89, 45.033, 86.721)

Have a look what the booklet for
CIELCh(89, 45.033, 86.721) contains.

CIELCh(89, 44.844, 87.241)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(89, 44.844, 87.241)

Conversions

Conversions Part 1

Format	Color
Hex	FFDC8A
RGB	255, 220, 138
RGB Percent	100%, 86%, 54%
CMY	0.0000, 0.1389, 0.4606
CMYK	0.00, 0.14, 0.46, 0.00
HSL	42°, 100%, 77%
HSV	42°, 46%, 100%
XYZ	71.5042, 74.1641, 34.4197
YIQ	221.1170, 47.1820, -18.0820

Conversions

Conversions Part 2

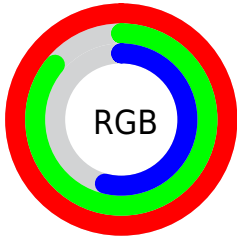
Format	Color
R _Y B	188, 255, 138
Decimal	16768138
CIE Lab	89.00, 2.16, 44.79
CIE LCh	89, 44.844, 87.241
Yxy	74.1641, 0.3971, 0.4118
Android (android.graphics.Color)	4294958218 (0xFFFFDC8A)
YUV	221.1170, -40.9767, 29.7154
Hunter-Lab	86.1186, -2.4992, 36.5861

Details

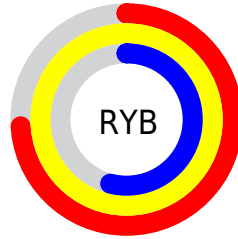
The CIELCh color **89, 44.844, 87.241** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **71, 45.363, 281.705**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 31.221, 107.803**, and **69, 44.665, 87.791** is the 20% darker color. If you saturate the color by 10%, you get **87, 54.483, 86.127**, and if you desaturate by 10%, it is **91, 34.875, 88.930**.

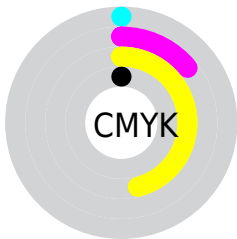
Distribution



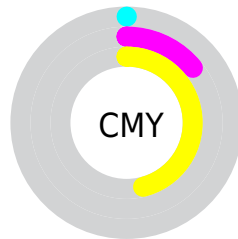
- Red (100%)
- Green (86%)
- Blue (54%)



- Red (74%)
- Yellow (100%)
- Blue (54%)



- Cyan (0%)
- Magenta (14%)
- Yellow (46%)
- Black (0%)



- Cyan (0%)
- Magenta (14%)
- Yellow (46%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 44.844, 87.241 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 89, 44.844, 87.241 by changing the saturation by 10% instead.

 89, 44.844, 87.241

 89, 44.844, 87.241

 100, 44.844,
87.241

 79, 44.844, 87.241

 69, 44.844, 87.241

 59, 44.844, 87.241

 49, 44.844, 87.241

 39, 44.844, 87.241

 29, 44.844, 87.241

 19, 44.844, 87.241

 9, 44.844, 87.241

 0, 44.844, 87.241

89, 44.844, 87.241

89, 44.844, 87.241

87, 54.483, 86.127

91, 34.875, 88.930

85, 63.744, 84.639

94, 25.025, 90.270

83, 71.977, 83.036

96, 15.290, 91.566

81, 78.336, 81.218

98, 5.711, 92.797

79, 81.911, 79.025

100, 0.012,
296.813

78, 82.745, 78.077

Harmonies

Complementary

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



89, 44.844, 87.241



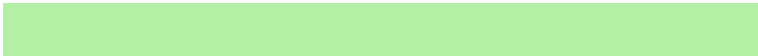
71, 45.363, 281.705

Rectangle

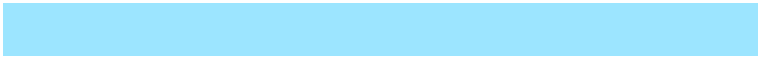
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 44.844, 87.241



89, 44.844, 137.241



89, 44.844, 267.241



89, 44.844, 317.241

Sweetspot

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



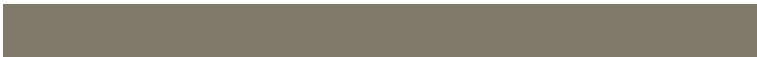
89, 44.753, 87.551



97, 13.304, 91.827



71, 48.438, 0.782



51, 9.203, 91.554



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 44.753, 87.551



87, 53.468, 86.281



96, 58.575, 114.132



52, 5.379, 92.385



60, 66.698, 78.570



20, 28.556, 81.283

Inverse Universe

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



71, 45.363, 281.705



66, 54.743, 284.057



64, 65.761, 301.842



50, 5.395, 274.846



31, 82.929, 298.361



8, 33.285, 293.468

Previews

White Background



This preview shows how the CIELCh color 89, 44.844, 87.241 looks on a white background.

Color Contrast Check

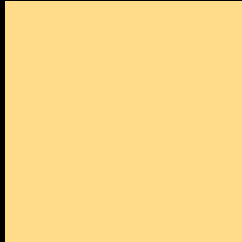
Large Text (above 18pt) WCAG AA × Fail

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 89, 44.844, 87.241 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 89, 44.844, 87.241

Background



This preview shows how black text looks on a background with the CIELCh color 89, 44.844, 87.241.



This preview shows how white text looks on a background with the CIELCh color 89, 44.844, 87.241.

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](#).

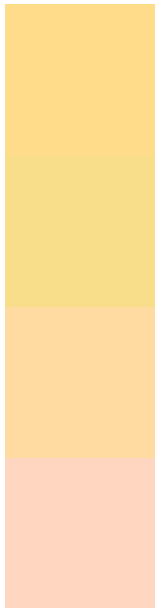
Dichromacy





Tritanopia
89, 17.072, 357.474

Trichromacy



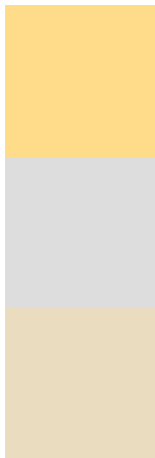
Original Color
89, 44.660, 87.763

Protanomaly
89, 44.396, 92.631

Deuteranomaly
89, 33.238, 81.077

Tritanomaly
89, 19.294, 56.263

Monochromacy



Original Color
89, 44.660, 87.763

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 15.857, 90.713

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 44.844, 87.241 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(255, 220, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 138)  
}
```

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(255, 220, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 44.844, 87.241 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(255, 220, 138) }
```

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

```
.border{ border-color:rgb(255, 220, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 220, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 44.844, 87.241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 220, 138) }
```

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

```
.background{ background-color: rgb(255,  
220, 138) }
```

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