

Converting Colors

CIELCh(87, 45.009, 82.928)

Have a look what the booklet for
CIELCh(87, 45.009, 82.928) contains.

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Color

CIELCh(87, 44.866, 83.122)

Conversions

Conversions Part 1

Format	Color
Hex	FFD485
RGB	255, 212, 133
RGB Percent	100%, 83%, 52%
CMY	0.0002, 0.1688, 0.4786
CMYK	0.00, 0.17, 0.48, 0.00
HSL	39°, 100%, 76%
HSV	39°, 48%, 100%
XYZ	68.9841, 70.0064, 32.0514
YIQ	215.8510, 50.9870, -15.4530

Conversions

Conversions Part 2

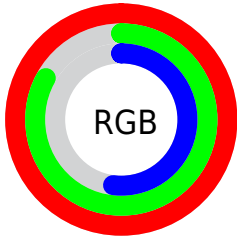
Format	Color
RYB	199, 255, 133
Decimal	16766085
CIELab	87.00, 5.37, 44.54
CIELCh	87, 44.866, 83.122
Yxy	70.0064, 0.4033, 0.4093
Android (android.graphics.Color)	4294956165 (0xFFFFD485)
YUV	215.8510, -40.8455, 34.3337
Hunter-Lab	83.6698, 0.7476, 35.8567

Details

The CIELCh color **87, 44.866, 83.122** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **72, 44.061, 278.399**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 34.195, 107.573**, and **67, 44.734, 83.352** is the 20% darker color. If you saturate the color by 10%, you get **84, 54.476, 81.649**, and if you desaturate by 10%, it is **90, 35.192, 84.549**.

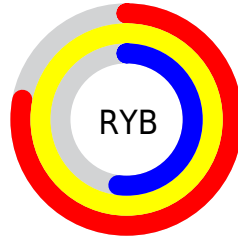
Distribution



Red (100%)

Green (83%)

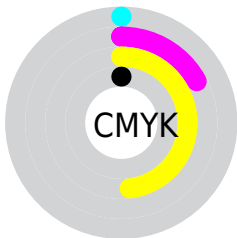
Blue (52%)



Red (78%)

Yellow (100%)

Blue (52%)

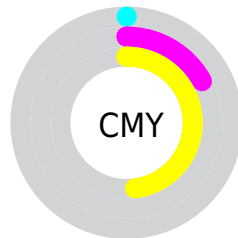


Cyan (0%)

Magenta (17%)

Yellow (48%)

Black (0%)



Cyan (0%)

Magenta (17%)

Yellow (48%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 44.866, 83.122 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, 44.866, 83.122 by changing the saturation by 10% instead.

 87, 44.866, 83.122

 87, 44.866, 83.122

 100, 44.866,
83.122

 77, 44.866, 83.122

 67, 44.866, 83.122

 57, 44.866, 83.122

 47, 44.866, 83.122

 37, 44.866, 83.122

 27, 44.866, 83.122

 17, 44.866, 83.122

 7, 44.866, 83.122

 0, 44.866, 83.122

87, 44.866, 83.122

87, 44.866, 83.122

84, 54.476, 81.649

90, 35.192, 84.549

82, 63.695, 80.085

92, 25.619, 85.929

80, 71.939, 78.358

95, 16.226, 87.264

78, 78.308, 76.320

98, 7.044, 88.540

75, 81.905, 73.767

100, 0.020,
235.322

75, 82.491, 73.187

Harmonies

Complementary

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



87, 44.866, 83.122



72, 44.061, 278.399

Rectangle

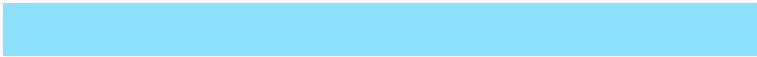
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 44.866, 83.122



87, 44.866, 133.122



87, 44.866, 263.122



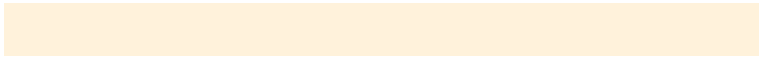
87, 44.866, 313.122

Sweetspot

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



87, 44.866, 83.126



96, 12.669, 87.764



70, 51.088, 357.558



51, 8.770, 87.485



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, 44.866, 83.126



85, 53.678, 81.777



97, 60.341, 111.770



52, 5.115, 88.335



58, 66.445, 73.765



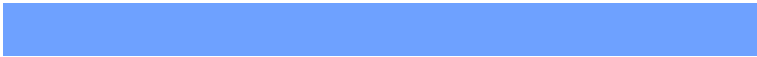
19, 27.854, 76.521

Inverse Universe

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



72, 44.061, 278.399



66, 52.885, 280.962



62, 68.468, 300.677



50, 5.103, 270.871



34, 76.588, 295.593



9, 30.718, 290.288

Previews

White Background



This preview shows how the CIELCh color 87, 44.866, 83.122 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, 44.866, 83.122 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, 44.866, 83.122

Background



This preview shows how black text looks on a background with the CIELCh color 87, 44.866, 83.122.



This preview shows how white text looks on a background with the CIELCh color 87, 44.866, 83.122.

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, 44.866, 83.122

Protanopia

87, 43.456, 95.614

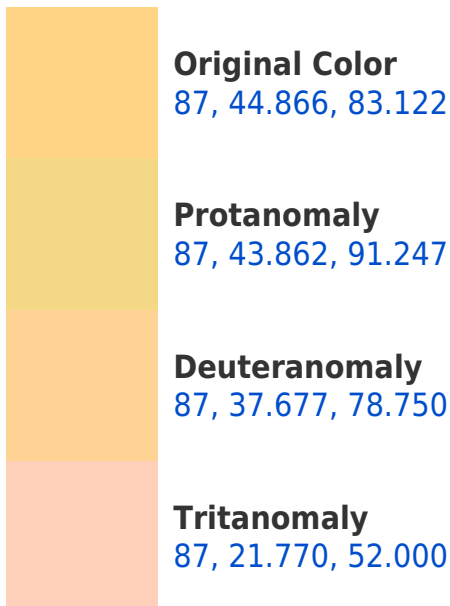
Deuteranopia

87, 33.396, 74.668



Tritanopia
87, 19.464, 2.263

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 44.866, 83.122 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, 212, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 133)  
}
```

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, 212, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 44.866, 83.122 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, 212, 133) }
```

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

```
.border{ border-color:rgb(255, 212, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 212, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 44.866, 83.122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 133) }
```

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

```
.background{ background-color: rgb(255,  
212, 133) }
```

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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