

Converting Colors

CIELCh(100, 83.419, 60.719)

Have a look what the booklet for
CIELCh(100, 83.419, 60.719)
contains.

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Color

CIELCh(89, 57.475, 91.035)

Conversions

Conversions Part 1

Format	Color
Hex	FFDD6F
RGB	255, 221, 111
RGB Percent	100%, 87%, 44%
CMY	0.0000, 0.1331, 0.5645
CMYK	0.00, 0.13, 0.56, 0.00
HSL	46°, 100%, 72%
HSV	46°, 56%, 100%
XYZ	70.0068, 74.1641, 25.6801
YIQ	218.6260, 55.5740, -27.0020

Conversions

Conversions Part 2

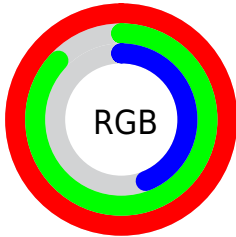
Format	Color
RYB	156, 255, 111
Decimal	16768367
CIELab	89.00, -1.04, 57.47
CIELCh	89, 57.475, 91.035
Yxy	74.1641, 0.4122, 0.4366
Android (android.graphics.Color)	4294958447 (0xFFFFDD6F)
YUV	218.6260, -53.0596, 31.9000
Hunter-Lab	86.1186, -5.6028, 42.6030

Details

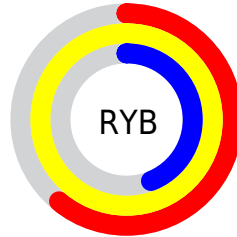
The CIELCh color **89, 57.475, 91.035** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **62, 61.647, 288.565**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 44.955, 106.742**, and **69, 57.279, 91.097** is the 20% darker color. If you saturate the color by 10%, you get **87, 66.706, 89.700**, and if you desaturate by 10%, it is **91, 47.554, 92.391**.

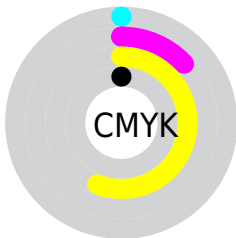
Distribution



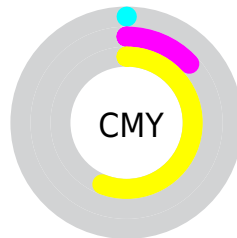
- Red (100%)
- Green (87%)
- Blue (44%)



- Red (61%)
- Yellow (100%)
- Blue (44%)



- Cyan (0%)
- Magenta (13%)
- Yellow (56%)
- Black (0%)



- Cyan (0%)
- Magenta (13%)
- Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 57.475, 91.035 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, 57.475, 91.035 by changing the saturation by 10% instead.

 89, 57.475, 91.035

 89, 57.475, 91.035

 100, 57.475,
91.035

 79, 57.475, 91.035

 69, 57.475, 91.035

 59, 57.475, 91.035

 49, 57.475, 91.035

 39, 57.475, 91.035

 29, 57.475, 91.035

 19, 57.475, 91.035

 9, 57.475, 91.035

 0, 57.475, 91.035

■ 89, 57.475, 91.035

■ 89, 57.475, 91.035

■ 87, 66.706, 89.700

■ 91, 47.554, 92.391

■ 86, 74.671, 88.275

■ 93, 37.333, 93.691

■ 84, 80.534, 86.727

■ 95, 27.017, 94.963

■ 82, 83.518, 84.956

■ 97, 16.724, 96.200

■ 82, 84.098, 84.284

■ 99, 6.513, 97.384

100, 0.012,
296.813

Harmonies

Complementary

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



89, 57.475, 91.035



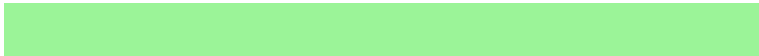
62, 61.647, 288.565

Rectangle

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



89, 57.475, 91.035



89, 57.475, 141.035



89, 57.475, 271.035



89, 57.475, 321.035

Sweetspot

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



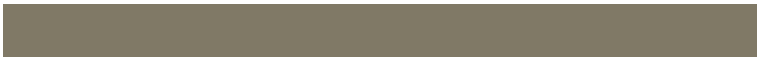
89, 57.468, 91.063



96, 17.290, 96.132



66, 58.523, 8.079



51, 11.577, 95.887



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, 57.468, 91.063



87, 68.044, 89.484



95, 71.153, 116.539



52, 5.756, 97.031



63, 67.832, 84.655



21, 29.726, 87.009

Inverse Universe

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



62, 61.647, 288.565



55, 75.668, 291.898



57, 81.848, 304.922



50, 5.808, 279.371



29, 90.651, 301.240



6, 36.253, 296.431

Previews

White Background



This preview shows how the CIELCh color 89, 57.475, 91.035 looks on a white background.

Color Contrast Check

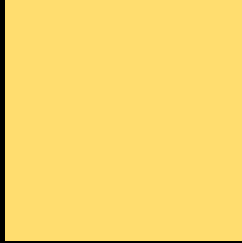
Large Text (above 18pt) WCAG AA × Fail

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, 57.475, 91.035 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, 57.475, 91.035

Background



This preview shows how black text looks on a background with the CIELCh color 89, 57.475, 91.035.



This preview shows how white text looks on a background with the CIELCh color 89, 57.475, 91.035.

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

89, 57.475, 91.035

Protanopia

89, 57.186, 95.737

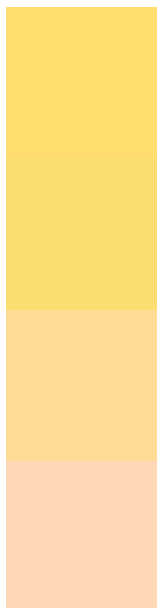
Deuteranopia

89, 29.082, 77.683



Tritanopia
89, 16.373, 0.293

Trichromacy



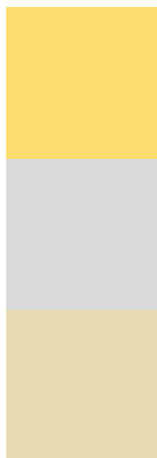
Original Color
89, 57.475, 91.035

Protanomaly
89, 57.114, 94.015

Deuteranomaly
89, 39.156, 85.100

Tritanomaly
89, 23.096, 67.442

Monochromacy



Original Color
89, 57.475, 91.035

Achromatopsia
87, 0.010, 296.813

Achromatomaly
88, 21.274, 95.814

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 57.475, 91.035 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, 221, 111)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 111)  
}
```

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, 221, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 57.475, 91.035 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, 221, 111) }
```

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

```
.border{ border-color:rgb(255, 221, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 221, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 111);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 57.475, 91.035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 111) }
```

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

```
.background{ background-color: rgb(255,  
221, 111) }
```

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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