

Converting Colors

CIELCh(100, 78.769, 59.015)

Have a look what the booklet for
CIELCh(100, 78.769, 59.015)
contains.

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Color

CIELCh(89, 51.996, 90.109)

Conversions

Conversions Part 1

Format	Color
Hex	FFDD7B
RGB	255, 221, 123
RGB Percent	100%, 87%, 48%
CMY	0.0013, 0.1345, 0.5188
CMYK	0.00, 0.13, 0.52, 0.00
HSL	45°, 99%, 74%
HSV	45°, 52%, 100%
XYZ	70.4446, 74.1641, 29.2435
YIQ	219.9940, 51.7220, -23.2700

Conversions

Conversions Part 2

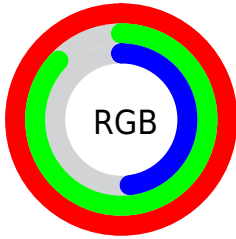
Format	Color
RYB	169, 255, 123
Decimal	16768379
CIELab	89.00, -0.10, 52.00
CIElCh	89, 51.996, 90.109
Yxy	74.1641, 0.4052, 0.4266
Android (android.graphics.Color)	4294958459 (0xFFFFDD7B)
YUV	219.9940, -47.8180, 30.7003
Hunter-Lab	86.1186, -4.6955, 40.1498

Details

The CIELCh color **89, 51.996, 90.109** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **66, 54.504, 286.049**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 39.118, 107.193**, and **69, 51.888, 89.892** is the 20% darker color. If you saturate the color by 10%, you get **87, 61.554, 88.726**, and if you desaturate by 10%, it is **91, 42.015, 91.460**.

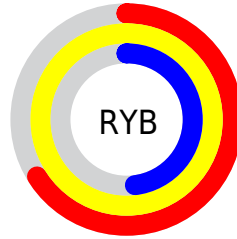
Distribution



Red (100%)

Green (87%)

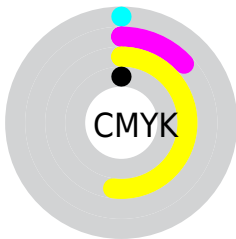
Blue (48%)



Red (66%)

Yellow (100%)

Blue (48%)

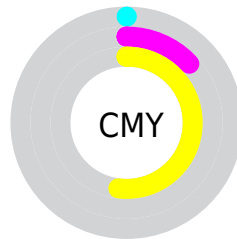


Cyan (0%)

Magenta (13%)

Yellow (52%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (52%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 51.996, 90.109 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, 51.996, 90.109 by changing the saturation by 10% instead.


 89, 51.996, 90.109

 89, 51.996, 90.109

 100, 51.996,
90.109

 79, 51.996, 90.109

 69, 51.996, 90.109

 59, 51.996, 90.109

 49, 51.996, 90.109

 39, 51.996, 90.109

 29, 51.996, 90.109

 19, 51.996, 90.109

 9, 51.996, 90.109

 0, 51.996, 90.109

89, 51.996, 90.109

89, 51.996, 90.109

87, 61.554, 88.726

91, 42.015, 91.460

85, 70.214, 87.278

93, 31.883, 92.775

84, 77.246, 85.715

95, 21.753, 94.055

82, 81.757, 83.936

97, 11.705, 95.293

81, 83.441, 82.268

99, 1.778, 96.387

100, 0.118,
205.037

Harmonies

Complementary

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



89, 51.996, 90.109



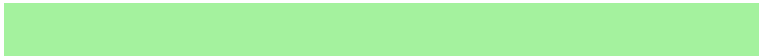
66, 54.504, 286.049

Rectangle

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



89, 51.996, 90.109



89, 51.996, 140.109



89, 51.996, 270.109



89, 51.996, 320.109

Sweetspot

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



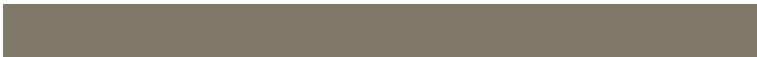
89, 51.997, 90.113



96, 15.913, 94.781



68, 53.834, 5.685



51, 10.758, 94.526



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, 51.997, 90.113



87, 61.789, 88.700



95, 65.671, 116.017



52, 5.628, 95.570



62, 67.360, 82.678



21, 29.311, 85.181

Inverse Universe

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



66, 54.504, 286.049



60, 66.295, 288.868



60, 74.631, 303.950



50, 5.668, 277.952



29, 88.192, 300.373



7, 35.331, 295.583

Previews

White Background



This preview shows how the CIELCh color 89, 51.996, 90.109 looks on a white background.

Color Contrast Check

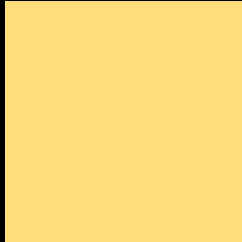
Large Text (above 18pt) WCAG AA × Fail

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, 51.996, 90.109 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, 51.996, 90.109

Background



This preview shows how black text looks on a background with the CIELCh color 89, 51.996, 90.109.

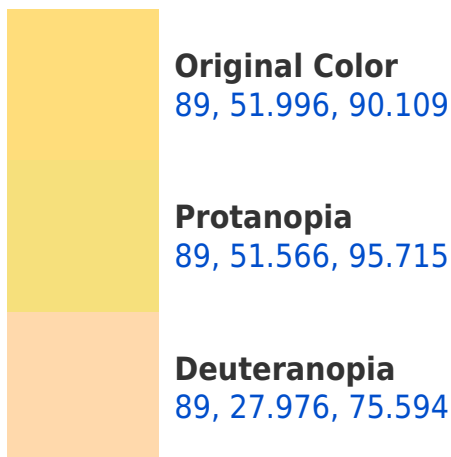


This preview shows how white text looks on a background with the CIELCh color 89, 51.996, 90.109.

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](#).

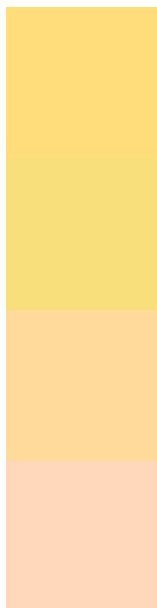
Dichromacy





Tritanopia
89, 16.538, 358.593

Trichromacy



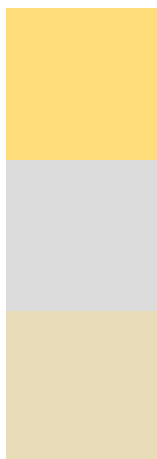
Original Color
89, 51.996, 90.109

Protanomaly
89, 51.491, 93.821

Deuteranomaly
89, 36.524, 83.106

Tritanomaly
89, 21.123, 63.213

Monochromacy



Original Color
89, 51.996, 90.109

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 18.850, 93.271

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 51.996, 90.109 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, 123)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 123)  
}
```

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, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 51.996, 90.109 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, 123) }
```

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

```
.border{ border-color:rgb(255, 221, 123) }
```

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, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 221, 123); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 221, 123); box-shadow:4px 4px 4px 4px rgb(255, 221, 123) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 51.996, 90.109 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, 123) }
```

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

```
.background{ background-color: rgb(255,  
221, 123) }
```

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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