

Converting Colors

CIELCh(95, 66.208, 66.513)

Have a look what the booklet for
CIELCh(95, 66.208, 66.513) contains.

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Color

CIELCh(89, 51.405, 88.977)

Conversions

Conversions Part 1

Format	Color
Hex	FFDC7C
RGB	255, 220, 124
RGB Percent	100%, 86%, 49%
CMY	0.0000, 0.1369, 0.5136
CMYK	0.00, 0.14, 0.51, 0.00
HSL	44°, 100%, 74%
HSV	44°, 51%, 100%
XYZ	70.9205, 74.1641, 29.6527
YIQ	219.5210, 51.6760, -22.4360

Conversions

Conversions Part 2

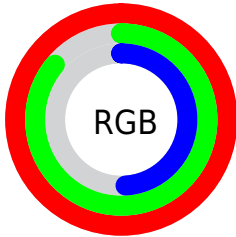
Format	Color
RYB	172, 255, 124
Decimal	16768124
CIELab	89.00, 0.92, 51.40
CIELCh	89, 51.405, 88.977
Yxy	74.1641, 0.4059, 0.4244
Android (android.graphics.Color)	4294958204 (0xFFFFDC7C)
YUV	219.5210, -47.0919, 31.1151
Hunter-Lab	86.1186, -3.7090, 39.8681

Details

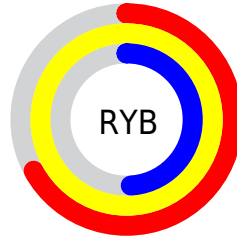
The CIELCh color **89, 51.405, 88.977** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **67, 53.389, 285.364**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 38.628, 107.231**, and **69, 51.159, 89.219** is the 20% darker color. If you saturate the color by 10%, you get **87, 60.828, 88.095**, and if you desaturate by 10%, it is **91, 41.285, 90.855**.

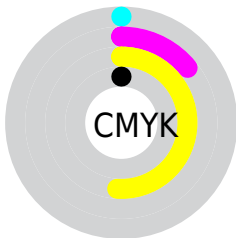
Distribution



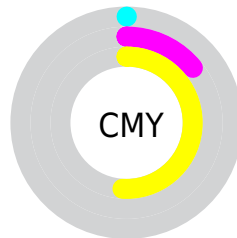
- Red (100%)
- Green (86%)
- Blue (49%)



- Red (67%)
- Yellow (100%)
- Blue (49%)



- Cyan (0%)
- Magenta (14%)
- Yellow (51%)
- Black (0%)



- Cyan (0%)
- Magenta (14%)
- Yellow (51%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 51.405, 88.977 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, 51.405, 88.977 by changing the saturation by 10% instead.

 89, 51.405, 88.977

 89, 51.405, 88.977

 100, 51.405,
88.977

 79, 51.405, 88.977

 69, 51.405, 88.977


 59, 51.405, 88.977

 49, 51.405, 88.977

 39, 51.405, 88.977

 29, 51.405, 88.977

 19, 51.405, 88.977

 9, 51.405, 88.977

 0, 51.405, 88.977

89, 51.405, 88.977

89, 51.405, 88.977

87, 60.828, 88.095

91, 41.285, 90.855

85, 69.564, 86.629

93, 31.197, 92.179

83, 76.737, 85.040

95, 21.131, 93.467

82, 81.444, 83.223

97, 11.160, 94.710

80, 83.321, 81.407

100, 1.320, 95.763

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, 51.405, 88.977



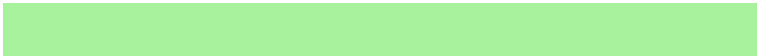
67, 53.389, 285.364

Rectangle

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



89, 51.405, 88.977



89, 51.405, 138.977



89, 51.405, 268.977



89, 51.405, 318.977

Sweetspot

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



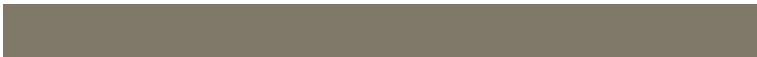
89, 51.249, 89.496



97, 14.772, 94.265



68, 53.425, 5.583



51, 10.093, 94.003



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, 51.249, 89.496



87, 61.416, 88.005



96, 65.221, 116.040



52, 5.575, 94.935



62, 67.190, 81.836



20, 29.144, 84.393

Inverse Universe

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



67, 53.389, 285.364



60, 65.449, 288.321



60, 74.014, 303.899



50, 5.610, 277.333



30, 87.128, 299.984



7, 34.926, 295.191

Previews

White Background



This preview shows how the CIELCh color 89, 51.405, 88.977 looks on a white background.

Color Contrast Check

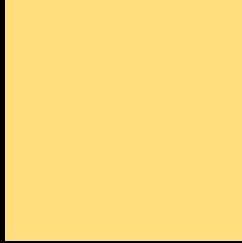
Large Text (above 18pt) WCAG AA × Fail

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, 51.405, 88.977 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, 51.405, 88.977

Background



This preview shows how black text looks on a background with the CIELCh color 89, 51.405, 88.977.



This preview shows how white text looks on a background with the CIELCh color 89, 51.405, 88.977.

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, 51.234, 89.449

Protanopia

89, 51.015, 96.129

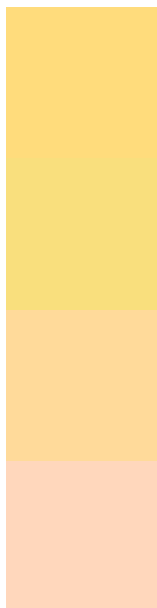
Deuteranopia

89, 28.424, 76.078



Tritanopia
89, 16.897, 359.110

Trichromacy



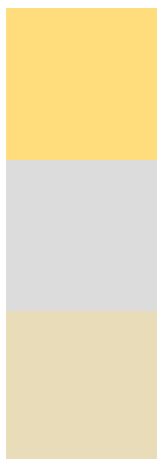
Original Color
89, 51.234, 89.449

Protanomaly
89, 51.022, 93.759

Deuteranomaly
89, 36.524, 83.106

Tritanomaly
89, 21.064, 61.543

Monochromacy



Original Color
89, 51.234, 89.449

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, 51.405, 88.977 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, 124)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 124)  
}
```

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, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 51.405, 88.977 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, 124) }
```

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

```
.border{ border-color:rgb(255, 220, 124) }
```

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, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 124);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 51.405, 88.977 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, 124) }
```

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

```
.background{ background-color: rgb(255,  
220, 124) }
```

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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