

Converting Colors

CIELCh(89, 49.152, 88.741)

Have a look what the booklet for
CIELCh(89, 49.152, 88.741) contains.

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Color

CIELCh(89, 48.902, 88.920)

Conversions

Conversions Part 1

Format	Color
Hex	FFDC81
RGB	255, 220, 129
RGB Percent	100%, 86%, 51%
CMY	0.0000, 0.1365, 0.4935
CMYK	0.00, 0.14, 0.49, 0.00
HSL	43°, 100%, 75%
HSV	43°, 49%, 100%
XYZ	70.9223, 74.1641, 31.4040
YIQ	220.0910, 50.0710, -20.8810

Conversions

Conversions Part 2

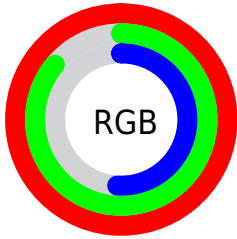
Format	Color
R_{YB}	177, 255, 129
Decimal	16768129
CIE _{Lab}	89.00, 0.92, 48.89
CIE _{LCh}	89, 48.902, 88.920
Yxy	74.1641, 0.4018, 0.4202
Android (android.graphics.Color)	4294958209 (0xFFFFDC81)
YUV	220.0910, -44.9079, 30.6152
Hunter-Lab	86.1186, -3.7052, 38.6624

Details

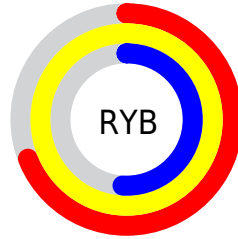
The CIELCh color **89, 48.902, 88.920** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **68, 50.454, 284.198**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 36.170, 107.421**, and **69, 48.888, 88.781** is the 20% darker color. If you saturate the color by 10%, you get **87, 58.542, 87.604**, and if you desaturate by 10%, it is **91, 38.917, 90.376**.

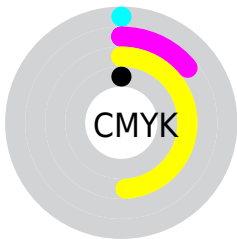
Distribution



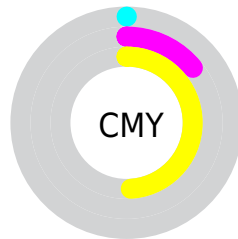
- Red (100%)
- Green (86%)
- Blue (51%)



- Red (69%)
- Yellow (100%)
- Blue (51%)



- Cyan (0%)
- Magenta (14%)
- Yellow (49%)
- Black (0%)



- Cyan (0%)
- Magenta (14%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 48.902, 88.920 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, 48.902, 88.920 by changing the saturation by 10% instead.

89, 48.902, 88.920

89, 48.902, 88.920

100, 48.902,
88.920

79, 48.902, 88.920

69, 48.902, 88.920

59, 48.902, 88.920

49, 48.902, 88.920

39, 48.902, 88.920

29, 48.902, 88.920

19, 48.902, 88.920

9, 48.902, 88.920

0, 48.902, 88.920

89, 48.902, 88.920

89, 48.902, 88.920

87, 58.542, 87.604

91, 38.917, 90.376

85, 67.506, 86.133

93, 28.892, 91.704

83, 75.108, 84.544

96, 18.921, 92.994

81, 80.451, 82.735

98, 9.068, 94.234

80, 82.990, 80.591

100, 0.012,
296.813

79, 83.120, 80.447

Harmonies

Complementary

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



89, 48.902, 88.920



68, 50.454, 284.198

Rectangle

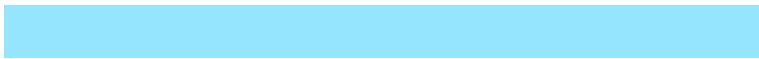
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 48.902, 88.920



89, 48.902, 138.920



89, 48.902, 268.920



89, 48.902, 318.920

Sweetspot

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



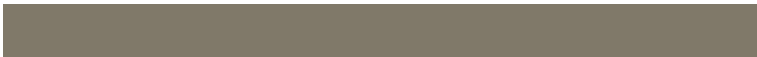
89, 48.877, 89.011



96, 14.623, 93.540



69, 51.478, 3.892



51, 9.993, 93.276



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, 48.877, 89.011



87, 58.216, 87.654



96, 62.716, 115.413



52, 5.517, 94.215



61, 67.021, 80.896



20, 28.965, 83.507

Inverse Universe

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



68, 50.454, 284.198



62, 61.132, 286.818



62, 70.879, 303.197



50, 5.547, 276.632



30, 85.930, 299.536



7, 34.465, 294.729

Previews

White Background



This preview shows how the CIELCh color 89, 48.902, 88.920 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, 48.902, 88.920 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, 48.902, 88.920

Background



This preview shows how black text looks on a background with the CIELCh color 89, 48.902, 88.920.



This preview shows how white text looks on a background with the CIELCh color 89, 48.902, 88.920.

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, 48.902, 88.920

Protanopia

89, 48.646, 95.895

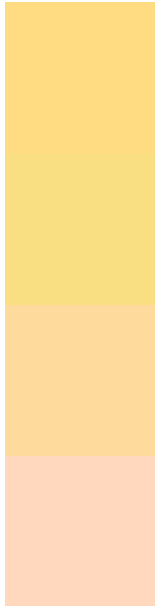
Deuteranopia

89, 27.529, 75.093



Tritanopia
89, 16.538, 358.593

Trichromacy



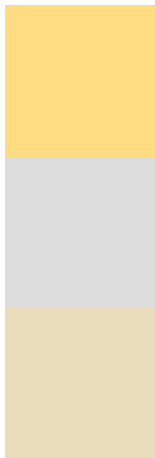
Original Color
89, 48.902, 88.920

Protanomaly
89, 48.663, 93.419

Deuteranomaly
89, 35.112, 82.291

Tritanomaly
89, 20.373, 61.284

Monochromacy



Original Color
89, 48.902, 88.920

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 17.849, 92.524

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 48.902, 88.920 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, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 129)  
}
```

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, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 48.902, 88.920 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, 129) }
```

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

```
.border{ border-color:rgb(255, 220, 129) }
```

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, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 48.902, 88.920 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, 129) }
```

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

```
.background{ background-color: rgb(255,  
220, 129) }
```

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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