

Converting Colors

CIELCh(91, 52.795, 77.245)

Have a look what the booklet for
CIELCh(91, 52.795, 77.245) contains.

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Color

CIELCh(89, 48.141, 88.192)

Conversions

Conversions Part 1

Format	Color
Hex	FFDC83
RGB	255, 220, 131
RGB Percent	100%, 86%, 51%
CMY	0.0000, 0.1379, 0.4871
CMYK	0.00, 0.14, 0.49, 0.00
HSL	43°, 100%, 76%
HSV	43°, 49%, 100%
XYZ	71.2029, 74.1641, 31.9607
YIQ	220.3190, 49.4290, -20.2590

Conversions

Conversions Part 2

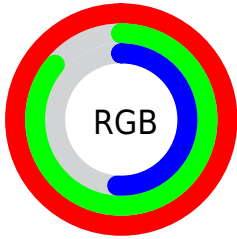
Format	Color
RYB	180, 255, 131
Decimal	16768131
CIELab	89.00, 1.52, 48.12
CIElCh	89, 48.141, 88.192
Yxy	74.1641, 0.4015, 0.4182
Android (android.graphics.Color)	4294958211 (0xFFFFDC83)
YUV	220.3190, -44.0343, 30.4152
Hunter-Lab	86.1186, -3.1237, 38.2791

Details

The CIELCh color **89, 48.141, 88.192** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **69, 49.337, 283.621**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 35.183, 107.497**, and **69, 47.963, 88.585** is the 20% darker color. If you saturate the color by 10%, you get **87, 57.695, 87.203**, and if you desaturate by 10%, it is **91, 38.075, 89.986**.

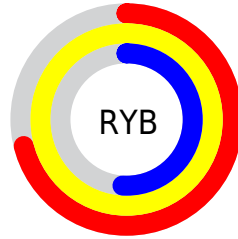
Distribution



Red (100%)

Green (86%)

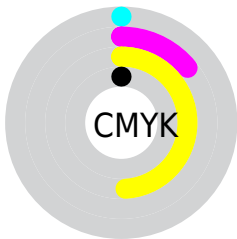
Blue (51%)



Red (71%)

Yellow (100%)

Blue (51%)

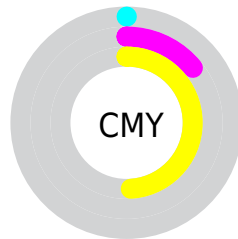


Cyan (0%)

Magenta (14%)

Yellow (49%)

Black (0%)



Cyan (0%)

Magenta (14%)

Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 48.141, 88.192 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, 48.141, 88.192 by changing the saturation by 10% instead.

 89, 48.141, 88.192

 89, 48.141, 88.192

 100, 48.141,
88.192

 79, 48.141, 88.192

 69, 48.141, 88.192

 59, 48.141, 88.192

 49, 48.141, 88.192

 39, 48.141, 88.192

 29, 48.141, 88.192

 19, 48.141, 88.192

 9, 48.141, 88.192

 0, 48.141, 88.192

89, 48.141, 88.192

89, 48.141, 88.192

87, 57.695, 87.203

91, 38.075, 89.986

85, 66.726, 85.724

93, 28.091, 91.318

83, 74.467, 84.126

96, 18.177, 92.611

81, 80.027, 82.307

98, 8.390, 93.852

79, 82.747, 80.135

100, 0.012,
296.813

79, 83.008, 79.844

Harmonies

Complementary

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



89, 48.141, 88.192



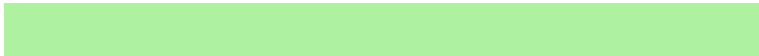
69, 49.337, 283.621

Rectangle

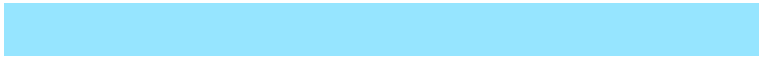
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 48.141, 88.192



89, 48.141, 138.192



89, 48.141, 268.192



89, 48.141, 318.192

Sweetspot

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



89, 48.015, 88.616



96, 14.531, 93.079



70, 50.815, 3.758



51, 9.931, 92.814



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, 48.015, 88.616



87, 57.024, 87.305



96, 61.972, 115.448



52, 5.481, 93.756



61, 66.926, 80.304



20, 28.857, 82.946

Inverse Universe

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



69, 49.337, 283.621



63, 59.479, 286.127



62, 69.897, 303.121



50, 5.508, 276.185



30, 85.171, 299.246



7, 34.170, 294.425

Previews

White Background



This preview shows how the CIELCh color 89, 48.141, 88.192 looks on a white background.

Color Contrast Check

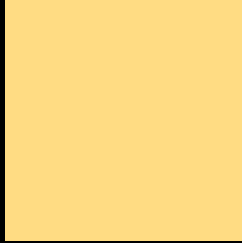
Large Text (above 18pt) WCAG AA × Fail

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, 48.141, 88.192 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, 48.141, 88.192

Background



This preview shows how black text looks on a background with the CIELCh color 89, 48.141, 88.192.



This preview shows how white text looks on a background with the CIELCh color 89, 48.141, 88.192.

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, 47.963, 88.687

Protanopia

89, 47.692, 95.789

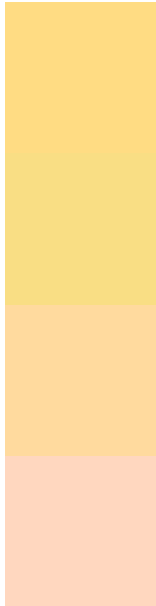
Deuteranopia

89, 27.529, 75.093



Tritanopia
89, 17.072, 357.474

Trichromacy



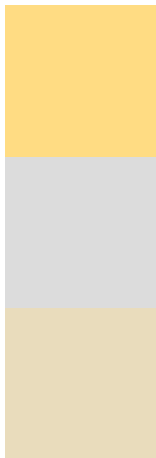
Original Color
89, 47.963, 88.687

Protanomaly
89, 47.376, 92.676

Deuteranomaly
89, 34.642, 82.002

Tritanomaly
89, 19.980, 58.492

Monochromacy



Original Color
89, 47.963, 88.687

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 17.349, 92.114

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 48.141, 88.192 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, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 131)  
}
```

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, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 48.141, 88.192 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, 131) }
```

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

```
.border{ border-color:rgb(255, 220, 131) }
```

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, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 220, 131); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 220, 131); box-shadow:4px 4px 4px 4px rgb(255, 220, 131) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 48.141, 88.192 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, 131) }
```

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

```
.background{ background-color: rgb(255,  
220, 131) }
```

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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