

Converting Colors

CIELCh(89, 48.268, 93.230)

Have a look what the booklet for
CIELCh(89, 48.268, 93.230) contains.

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Color

CIELCh(89, 48.326, 92.841)

Conversions

Conversions Part 1

Format	Color
Hex	F9DE82
RGB	249, 222, 130
RGB Percent	98%, 87%, 51%
CMY	0.0226, 0.1285, 0.4893
CMYK	0.00, 0.11, 0.48, 0.02
HSL	46°, 91%, 74%
HSV	46°, 48%, 98%
XYZ	69.3775, 74.1641, 31.8529
YIQ	219.5850, 45.6240, -22.8880

Conversions

Conversions Part 2

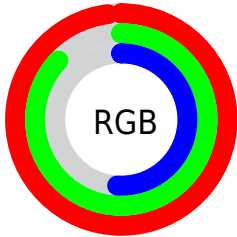
Format	Color
R _Y B	165, 249, 130
Decimal	16375426
CIE Lab	89.00, -2.40, 48.27
CIE LCh	89, 48.326, 92.841
Yxy	74.1641, 0.3956, 0.4228
Android (android.graphics.Color)	4294565506 (0xFFFF9DE82)
YUV	219.5850, -44.1654, 25.7970
Hunter-Lab	86.1186, -6.9072, 38.3533

Details

The CIELCh color **89, 48.326, 92.841** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **66, 51.082, 286.845**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 35.677, 107.459**, and **69, 48.277, 93.006** is the 20% darker color. If you saturate the color by 10%, you get **87, 58.030, 91.531**, and if you desaturate by 10%, it is **91, 38.268, 94.134**.

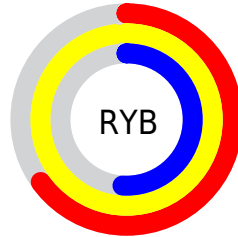
Distribution



Red (98%)

Green (87%)

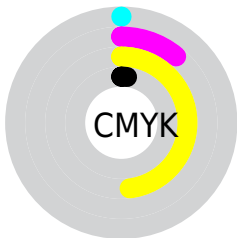
Blue (51%)



Red (65%)

Yellow (98%)

Blue (51%)

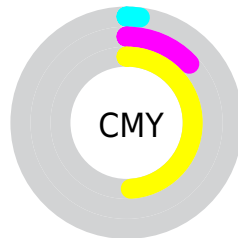


Cyan (0%)

Magenta (11%)

Yellow (48%)

Black (2%)



Cyan (2%)

Magenta (13%)

Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 48.326, 92.841 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, 48.326, 92.841 by changing the saturation by 10% instead.

 89, 48.326, 92.841

 89, 48.326, 92.841

 100, 48.326,
92.841

 79, 48.326, 92.841

 69, 48.326, 92.841

 59, 48.326, 92.841

 49, 48.326, 92.841

 39, 48.326, 92.841

 29, 48.326, 92.841

 19, 48.326, 92.841

 9, 48.326, 92.841

 0, 48.326, 92.841

89, 48.326, 92.841

89, 48.326, 92.841

87, 58.030, 91.531

91, 38.268, 94.134

86, 66.986, 90.186

93, 28.080, 95.397

84, 74.578, 88.781

95, 17.891, 96.627

83, 79.984, 87.259

96, 7.769, 97.812

81, 82.556, 85.528

98, 2.251, 279.086

81, 82.927, 85.123

100, 1.998,
199.610

Harmonies

Complementary

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



89, 48.326, 92.841



66, 51.082, 286.845

Rectangle

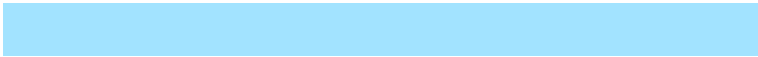
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 48.326, 92.841



89, 48.326, 142.841



89, 48.326, 272.841



89, 48.326, 322.841

Sweetspot

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



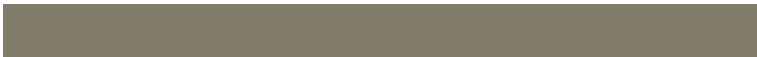
89, 48.327, 92.845



97, 14.344, 97.077



69, 48.510, 7.289



51, 9.914, 96.818



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, 48.327, 92.845



89, 58.385, 91.622



94, 60.223, 117.668



51, 5.714, 97.610



63, 67.380, 85.471



20, 28.764, 87.848

Inverse Universe

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



66, 51.082, 286.845



62, 63.055, 289.217



62, 67.263, 304.452



49, 5.769, 279.930



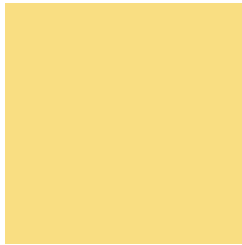
28, 90.637, 301.545



6, 35.080, 296.042

Previews

White Background



This preview shows how the CIELCh color 89, 48.326, 92.841 looks on a white background.

Color Contrast Check

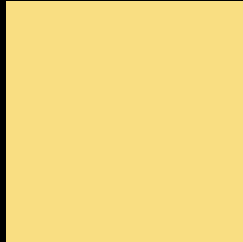
Large Text (above 18pt) WCAG AA × Fail

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, 48.326, 92.841 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, 48.326, 92.841

Background



This preview shows how black text looks on a background with the CIELCh color 89, 48.326, 92.841.

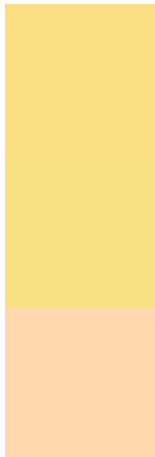


This preview shows how white text looks on a background with the CIELCh color 89, 48.326, 92.841.

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, 48.326, 92.841

Protanopia

89, 48.169, 95.843

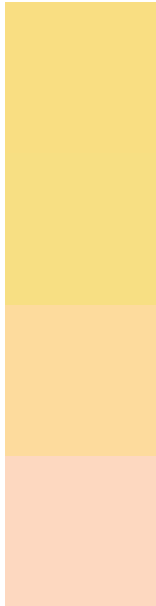
Deuteranopia

89, 27.529, 75.093



Tritanopia
89, 17.464, 354.310

Trichromacy



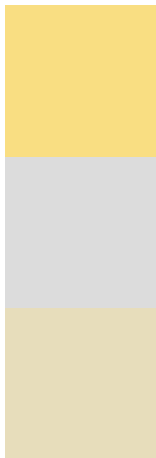
Original Color
89, 48.326, 92.841

Protanomaly
89, 47.991, 94.308

Deuteranomaly
89, 35.018, 84.388

Tritanomaly
89, 19.042, 60.677

Monochromacy



Original Color
89, 48.326, 92.841

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 18.051, 96.456

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 48.326, 92.841 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(249, 222, 130)` looks like.

```
.text, #text, p{  
    color:rgb(249, 222, 130)  
}
```

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(249, 222, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 222, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 48.326, 92.841 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(249, 222, 130) }
```

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

```
.border{ border-color:rgb(249, 222, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 222, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 222, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 222, 130);  
box-shadow:4px 4px 4px 4px rgb(249, 222,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 48.326, 92.841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 222, 130) }
```

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

```
.background{ background-color: rgb(249,  
222, 130) }
```

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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