

Converting Colors

CIELCh(89, 53.163, 90.325)

Have a look what the booklet for
CIELCh(89, 53.163, 90.325) contains.

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Color

CIELCh(89, 53.382, 90.369)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFDD78 |
| RGB | 255, 221, 120 |
| RGB Percent | 100%, 87%, 47% |
| CMY | 0.0009, 0.1342, 0.5302 |
| CMYK | 0.00, 0.13, 0.53, 0.00 |
| HSL | 45°, 100%, 73% |
| HSV | 45°, 53%, 100% |
| XYZ | 70.3303, 74.1641, 28.3119 |
| YIQ | 219.6520, 52.6850, -24.2030 |

Conversions

Conversions Part 2

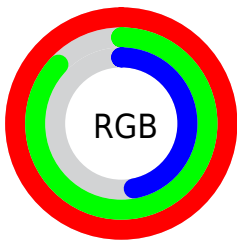
| Format | Color |
|-------------------------------------|---|
| RYB | 165, 255, 120 |
| Decimal | 16768376 |
| CIELab | 89.00, -0.34, 53.38 |
| CIELCh | 89, 53.382, 90.369 |
| Yxy | 74.1641, 0.4070, 0.4292 |
| Android (android.graphics.Color) | 4294958456 (0xFFFFD78) |
| YUV | 219.6520, -49.1284, 31.0002 |
| Hunter-Lab | 86.1186, -4.9324, 40.7911 |

Details

The CIELCh color **89, 53.382, 90.369** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **65, 56.272, 286.699**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 40.585, 107.080**, and **69, 53.208, 90.099** is the 20% darker color. If you saturate the color by 10%, you get **87, 62.876, 88.992**, and if you desaturate by 10%, it is **91, 43.406, 91.715**.

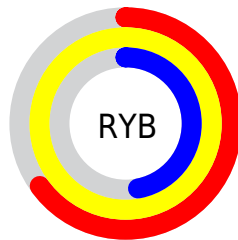
Distribution



Red (100%)

Green (87%)

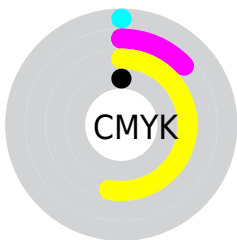
Blue (47%)



Red (65%)

Yellow (100%)

Blue (47%)

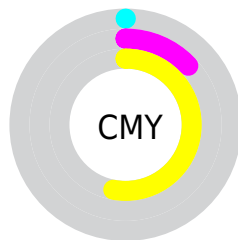


Cyan (0%)

Magenta (13%)

Yellow (53%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 53.382, 90.369 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, 53.382, 90.369 by changing the saturation by 10% instead.

 89, 53.382, 90.369

 89, 53.382, 90.369

 100, 53.382,
90.369

 79, 53.382, 90.369

 69, 53.382, 90.369

 59, 53.382, 90.369

 49, 53.382, 90.369

 39, 53.382, 90.369

 29, 53.382, 90.369

 19, 53.382, 90.369

 9, 53.382, 90.369

 0, 53.382, 90.369

89, 53.382, 90.369

89, 53.382, 90.369

87, 62.876, 88.992

91, 43.406, 91.715

85, 71.382, 87.549

93, 33.244, 93.027

84, 78.142, 85.988

95, 23.061, 94.305

82, 82.275, 84.210

97, 12.946, 95.543

81, 83.605, 82.800

99, 2.943, 96.688

100, 0.081,
207.594

Harmonies

Complementary

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



89, 53.382, 90.369



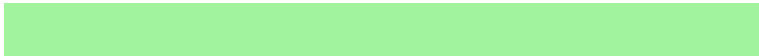
65, 56.272, 286.699

Rectangle

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



89, 53.382, 90.369



89, 53.382, 140.369



89, 53.382, 270.369



89, 53.382, 320.369

Sweetspot

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



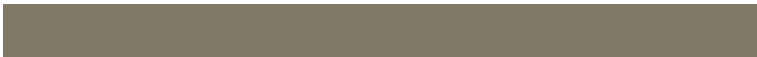
89, 53.383, 90.373



97, 16.004, 95.174



67, 55.045, 5.954



51, 10.819, 94.920



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, 53.383, 90.373



87, 63.849, 88.847



95, 67.019, 115.960



52, 5.661, 95.960



62, 67.475, 83.201



21, 29.417, 85.667

Inverse Universe

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



65, 56.272, 286.699



58, 69.197, 289.793



59, 76.447, 304.084



50, 5.704, 278.331



29, 88.847, 300.608



7, 35.578, 295.816

Previews

White Background



This preview shows how the CIELCh color 89, 53.382, 90.369 looks on a white background.

Color Contrast Check

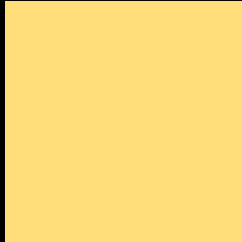
Large Text (above 18pt) WCAG AA × Fail

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, 53.382, 90.369 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, 53.382, 90.369

Background



This preview shows how black text looks on a background with the CIELCh color 89, 53.382, 90.369.



This preview shows how white text looks on a background with the CIELCh color 89, 53.382, 90.369.

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, 53.382, 90.369

Protanopia

89, 52.969, 95.843

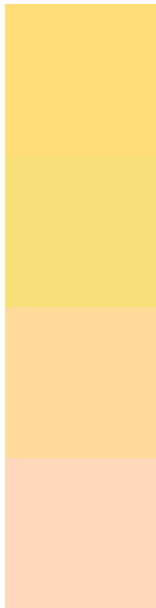
Deuteranopia

89, 27.976, 75.594



Tritanopia
89, 16.538, 358.593

Trichromacy



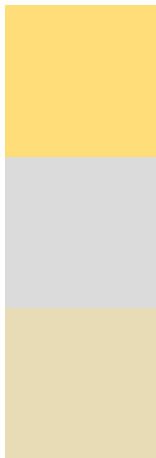
Original Color
89, 53.382, 90.369

Protanomaly
89, 52.890, 93.995

Deuteranomaly
89, 36.995, 83.362

Tritanomaly
89, 21.507, 64.124

Monochromacy



Original Color
89, 53.382, 90.369

Achromatopsia
87, 0.010, 296.813

Achromatomaly
88, 19.758, 95.022

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 53.382, 90.369 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, 120)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 120)  
}
```

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, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 53.382, 90.369 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, 120) }
```

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

```
.border{ border-color:rgb(255, 221, 120) }
```

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, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 120);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 53.382, 90.369 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, 120) }
```

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

```
.background{ background-color: rgb(255,  
221, 120) }
```

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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