

Converting Colors

CIELCh(90, 53.677, 98.329)

Have a look what the booklet for
CIELCh(90, 53.677, 98.329) contains.

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Color

CIELCh(90, 53.887, 98.232)

Conversions

Conversions Part 1

Format	Color
Hex	F5E47A
RGB	245, 228, 122
RGB Percent	96%, 89%, 48%
CMY	0.0392, 0.1059, 0.5216
CMYK	0.00, 0.07, 0.50, 0.04
HSL	52°, 86%, 72%
HSV	52°, 50%, 96%
XYZ	68.9116, 76.3034, 29.5082
YIQ	220.9990, 44.1580, -29.3620

Conversions

Conversions Part 2

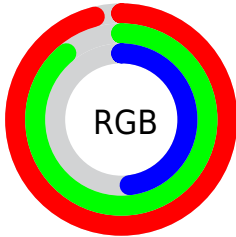
Format	Color
RYB	142, 245, 122
Decimal	16114810
CIELab	90.00, -7.72, 53.33
CIElCh	90, 53.887, 98.232
Yxy	76.3034, 0.3944, 0.4367
Android (android.graphics.Color)	4294304890 (0xFFFF5E47A)
YUV	220.9990, -48.8065, 21.0489
Hunter-Lab	87.3518, -12.0475, 41.1175

Details

The CIELCh color **90, 53.887, 98.232** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **61, 59.536, 292.033**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 39.118, 107.193**, and **70, 54.114, 98.557** is the 20% darker color. If you saturate the color by 10%, you get **89, 63.638, 97.109**, and if you desaturate by 10%, it is **91, 43.514, 99.376**.

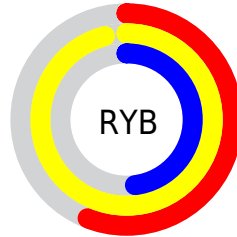
Distribution



Red (96%)

Green (89%)

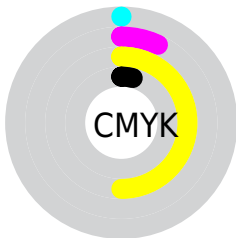
Blue (48%)



Red (56%)

Yellow (96%)

Blue (48%)

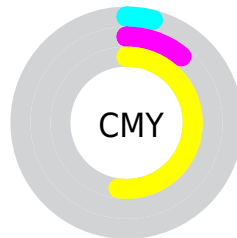


Cyan (0%)

Magenta (7%)

Yellow (50%)

Black (4%)



Cyan (4%)

Magenta (11%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 53.887, 98.232 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 90, 53.887, 98.232 by changing the saturation by 10% instead.

90, 53.887, 98.232

90, 53.887, 98.232

100, 53.887,
98.232

80, 53.887, 98.232

70, 53.887, 98.232

60, 53.887, 98.232

50, 53.887, 98.232

40, 53.887, 98.232

30, 53.887, 98.232

20, 53.887, 98.232

10, 53.887, 98.232

0, 53.887, 98.232

90, 53.887, 98.232

90, 53.887, 98.232

89, 63.638, 97.109

91, 43.514, 99.376

88, 72.297, 96.009

92, 32.813,
100.520

87, 79.208, 94.940

94, 21.965,
101.652

86, 83.647, 93.887

85, 85.475, 92.841

95, 11.077,
102.760

97, 0.209, 103.163

98, 3.590, 271.839

98, 2.845, 235.808

99, 3.458, 199.378

Harmonies

Complementary

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



90, 53.887, 98.232



61, 59.536, 292.033

Rectangle

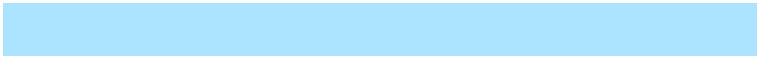
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 53.887, 98.232



90, 53.887, 148.232



90, 53.887, 278.232



90, 53.887, 328.232

Sweetspot

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



90, 53.888, 98.235



98, 16.838, 102.229



66, 50.324, 14.163



52, 11.491, 101.994



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 53.888, 98.235



92, 65.525, 97.117



91, 63.242, 121.024



51, 6.165, 102.838



66, 69.645, 93.030



21, 29.579, 94.731

Inverse Universe

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



61, 59.536, 292.033



56, 74.901, 294.466



60, 70.155, 307.121



47, 6.262, 284.983



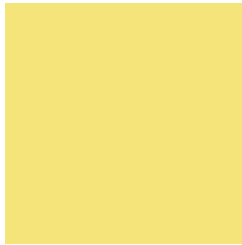
25, 97.995, 304.179



4, 36.081, 297.314

Previews

White Background



This preview shows how the CIELCh color 90, 53.887, 98.232 looks on a white background.

Color Contrast Check

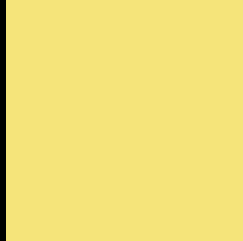
Large Text (above 18pt) WCAG AA × Fail

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 90, 53.887, 98.232 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 90, 53.887, 98.232

Background



This preview shows how black text looks on a background with the CIELCh color 90, 53.887, 98.232.

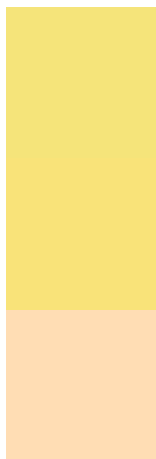


This preview shows how white text looks on a background with the CIELCh color 90, 53.887, 98.232.

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

90, 53.887, 98.232

Protanopia

90, 54.269, 96.029

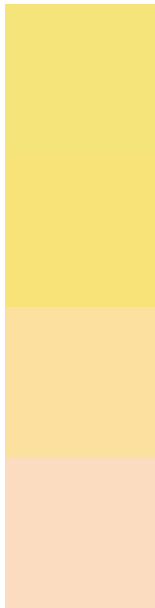
Deuteranopia

90, 25.189, 76.459



Tritanopia
90, 16.348, 350.200

Trichromacy



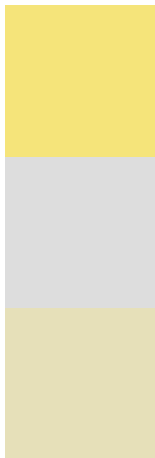
Original Color
90, 53.887, 98.232

Protanomaly
90, 54.192, 96.463

Deuteranomaly
90, 35.248, 89.475

Tritanomaly
90, 18.862, 69.763

Monochromacy



Original Color
90, 53.887, 98.232

Achromatopsia
88, 0.010, 296.813

Achromatomaly
89, 20.307, 101.994

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 53.887, 98.232 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(245, 228, 122)` looks like.

```
.text, #text, p{  
    color:rgb(245, 228, 122)  
}
```

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(245, 228, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 228, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 53.887, 98.232 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(245, 228, 122) }
```

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

```
.border{ border-color:rgb(245, 228, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 228, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(245, 228, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(245, 228, 122); box-shadow:4px 4px 4px 4px rgb(245, 228, 122) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 53.887, 98.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 228, 122) }
```

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

```
.background{ background-color: rgb(245,  
228, 122) }
```

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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