

Converting Colors

CIELCh(90, 54.700, 98.199)

Have a look what the booklet for
CIELCh(90, 54.700, 98.199) contains.

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Color

CIELCh(90, 54.815, 98.270)

Conversions

Conversions Part 1

Format	Color
Hex	F5E478
RGB	245, 228, 120
RGB Percent	96%, 89%, 47%
CMY	0.0390, 0.1056, 0.5292
CMYK	0.00, 0.07, 0.51, 0.04
HSL	52°, 86%, 72%
HSV	52°, 51%, 96%
XYZ	68.8339, 76.3034, 28.8880
YIQ	220.7710, 44.8000, -29.9840

Conversions

Conversions Part 2

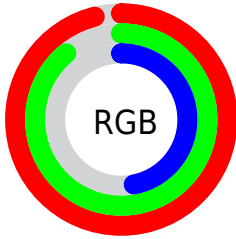
Format	Color
R_{YB}	140, 245, 120
Decimal	16114808
CIE _{Lab}	90.00, -7.88, 54.24
CIE _{LCh}	90, 54.815, 98.270
Yxy	76.3034, 0.3955, 0.4385
Android (android.graphics.Color)	4294304888 (0xFFFF5E478)
YUV	220.7710, -49.6801, 21.2488
Hunter-Lab	87.3518, -12.2062, 41.5385

Details

The CIELCh color **90, 54.815, 98.270** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **60, 60.763, 292.323**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 40.096, 107.118**, and **70, 54.979, 98.558** is the 20% darker color. If you saturate the color by 10%, you get **89, 64.509, 97.154**, and if you desaturate by 10%, it is **91, 44.463, 99.410**.

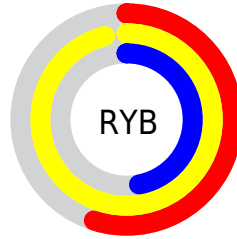
Distribution



Red (96%)

Green (89%)

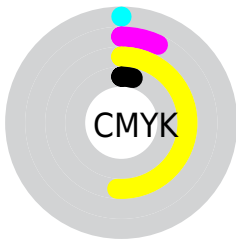
Blue (47%)



Red (55%)

Yellow (96%)

Blue (47%)

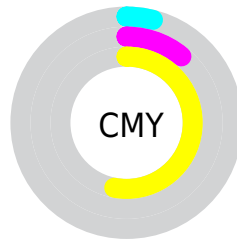


Cyan (0%)

Magenta (7%)

Yellow (51%)

Black (4%)



Cyan (4%)

Magenta (11%)

Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 54.815, 98.270 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, 54.815, 98.270 by changing the saturation by 10% instead.

 90, 54.815, 98.270

 90, 54.815, 98.270

 100, 54.815,
98.270

 80, 54.815, 98.270

 70, 54.815, 98.270

 60, 54.815, 98.270

 50, 54.815, 98.270

 40, 54.815, 98.270

 30, 54.815, 98.270

 20, 54.815, 98.270

 10, 54.815, 98.270

 0, 54.815, 98.270

90, 54.815, 98.270

90, 54.815, 98.270

89, 64.509, 97.154

91, 44.463, 99.410

88, 73.060, 96.063

92, 33.761,
100.550

87, 79.797, 95.005

94, 22.897,
101.681

86, 84.010, 93.965

85, 85.603, 93.019

95, 11.984,
102.789

96, 1.086, 103.754

98, 3.682, 274.132

98, 2.839, 239.930

99, 3.341, 201.776

99, 3.434, 199.380

Harmonies

Complementary

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



90, 54.815, 98.270



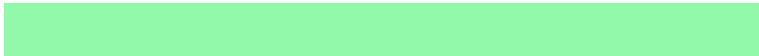
60, 60.763, 292.323

Rectangle

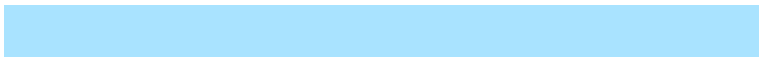
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 54.815, 98.270



90, 54.815, 148.270



90, 54.815, 278.270



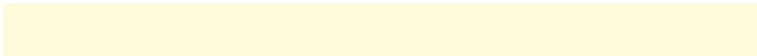
90, 54.815, 328.270

Sweetspot

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



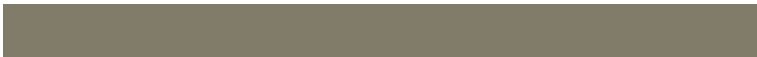
90, 54.816, 98.273



98, 16.876, 102.347



66, 51.192, 14.351



52, 11.516, 102.113



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, 54.816, 98.273



92, 66.595, 97.141



91, 64.188, 120.990



51, 6.179, 102.955



66, 69.734, 93.205



21, 29.632, 94.884

Inverse Universe

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



60, 60.763, 292.323



56, 76.499, 294.823



60, 71.352, 307.186



47, 6.277, 285.095



25, 98.168, 304.230



4, 36.142, 297.358

Previews

White Background



This preview shows how the CIELCh color 90, 54.815, 98.270 looks on a white background.

Color Contrast Check

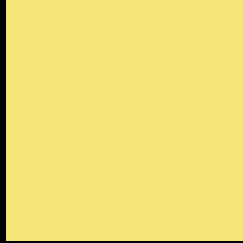
Large Text (above 18pt) WCAG AA × Fail

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, 54.815, 98.270 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, 54.815, 98.270

Background



This preview shows how black text looks on a background with the CIELCh color 90, 54.815, 98.270.



This preview shows how white text looks on a background with the CIELCh color 90, 54.815, 98.270.

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, 54.815, 98.270

Protanopia

90, 54.812, 95.635

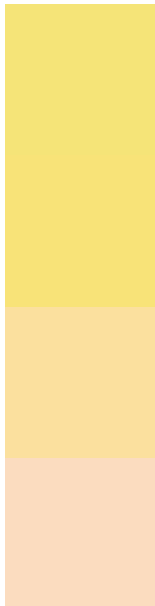
Deuteranopia

90, 25.189, 76.459



Tritanopia
90, 16.348, 350.200

Trichromacy



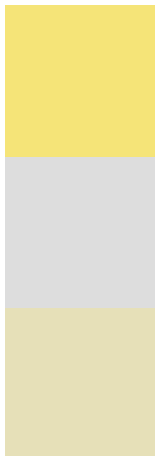
Original Color
90, 54.815, 98.270

Protanomaly
90, 54.654, 96.496

Deuteranomaly
90, 35.734, 89.662

Tritanomaly
90, 19.279, 70.656

Monochromacy



Original Color
90, 54.815, 98.270

Achromatopsia
88, 0.010, 296.813

Achromatomaly
89, 20.819, 102.101

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 54.815, 98.270 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, 120)` looks like.

```
.text, #text, p{  
    color:rgb(245, 228, 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(245, 228, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 228, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 54.815, 98.270 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, 120) }
```

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

```
.border{ border-color:rgb(245, 228, 120) }
```

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, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(245, 228, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(245, 228, 120); box-shadow:4px 4px 4px 4px rgb(245, 228, 120) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 54.815, 98.270 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, 120) }
```

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

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