

# Converting Colors

CIELCh(95, 53.258, 69.186)

Have a look what the booklet for  
CIELCh(95, 53.258, 69.186) contains.

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# **Color**

**CIELCh(90, 42.849, 90.160)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEE090
RGB	254, 224, 144
RGB Percent	100%, 88%, 56%
CMY	0.0046, 0.1220, 0.4355
CMYK	0.00, 0.12, 0.43, 0.00
HSL	44°, 98%, 78%
HSV	44°, 43%, 100%
XYZ	72.4671, 76.3034, 37.2747
YIQ	223.8500, 43.5600, -18.5200

# Conversions

## Conversions Part 2

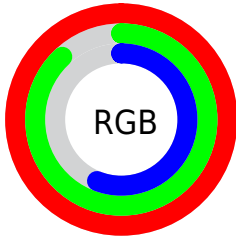
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	185, 254, 144
Decimal	16703632
CIE Lab	90.00, -0.12, 42.85
CIE LCh	90, 42.849, 90.160
Yxy	76.3034, 0.3895, 0.4101
Android (android.graphics.Color)	4294893712 (0xFFFE090)
YUV	223.8500, -39.3660, 26.4416
Hunter-Lab	87.3518, -4.7820, 35.8460

# Details

The CIELCh color **90, 42.849, 90.160** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **72, 43.994, 283.004**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 28.233, 108.033**, and **70, 42.972, 89.893** is the 20% darker color. If you saturate the color by 10%, you get **88, 52.707, 88.790**, and if you desaturate by 10%, it is **92, 32.844, 91.502**.

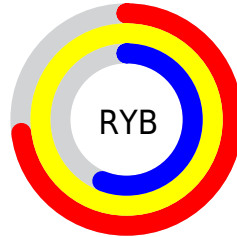
# Distribution



Red (100%)

Green (88%)

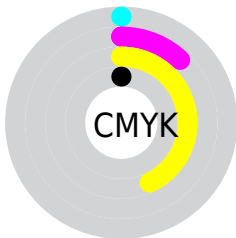
Blue (56%)



Red (73%)

Yellow (100%)

Blue (56%)

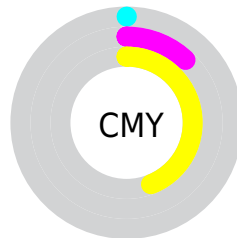


Cyan (0%)

Magenta (12%)

Yellow (43%)

Black (0%)



Cyan (0%)

Magenta (12%)

Yellow (44%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 42.849, 90.160 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, 42.849, 90.160 by changing the saturation by 10% instead.



 90, 42.849, 90.160

 90, 42.849, 90.160

 100, 42.849,  
90.160

 80, 42.849, 90.160

 70, 42.849, 90.160

 60, 42.849, 90.160

 50, 42.849, 90.160

 40, 42.849, 90.160

 30, 42.849, 90.160

 20, 42.849, 90.160

 10, 42.849, 90.160

 0, 42.849, 90.160

90, 42.849, 90.160

90, 42.849, 90.160

88, 52.707, 88.790

92, 32.844, 91.502

86, 62.127, 87.370

94, 22.847, 92.803

84, 70.609, 85.872

97, 12.943, 94.061

82, 77.389, 84.228

99, 3.170, 95.227

81, 81.563, 82.318

100, 0.407,  
201.008

79, 82.913, 80.860

# Harmonies

# Complementary

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



90, 42.849, 90.160



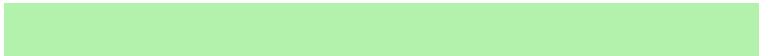
72, 43.994, 283.004

# Rectangle

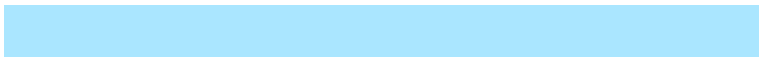
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 42.849, 90.160



90, 42.849, 140.160



90, 42.849, 270.160



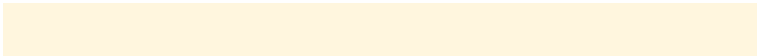
90, 42.849, 320.160

# Sweetspot

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



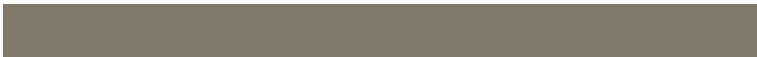
90, 42.850, 90.164



97, 12.708, 94.096



72, 44.923, 2.683



51, 8.907, 93.823



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, 42.850, 90.164



89, 51.648, 88.968



96, 55.302, 115.764



52, 5.542, 94.521



61, 67.090, 81.294



20, 29.040, 83.883





# Inverse Universe

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



72, 43.994, 283.004



67, 53.670, 285.160



66, 61.342, 302.490



50, 5.574, 276.931



30, 86.438, 299.728



7, 34.661, 294.928



# Previews

## White Background



This preview shows how the CIE LCh color 90, 42.849, 90.160 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, 42.849, 90.160 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, 42.849, 90.160

## Background



This preview shows how black text looks on a background with the CIELCh color 90, 42.849, 90.160.



This preview shows how white text looks on a background with the CIELCh color 90, 42.849, 90.160.

# 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, 42.882, 90.138

**Protanopia**  
90, 42.233, 95.631

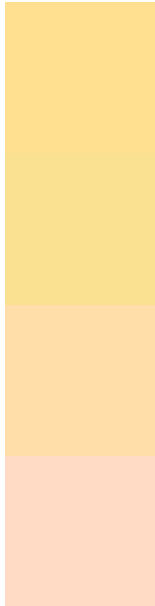
**Deuteranopia**  
90, 23.414, 74.104



**Tritanopia**  
90, 15.672, 355.171



# Trichromacy



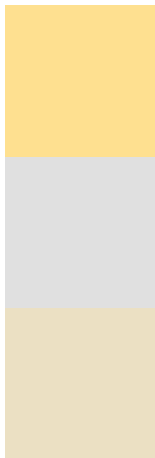
**Original Color**  
90, 42.882, 90.138

**Protanomaly**  
90, 42.155, 93.355

**Deuteranomaly**  
90, 30.495, 82.402

**Tritanomaly**  
90, 17.620, 57.978

# Monochromacy



**Original Color**  
90, 42.882, 90.138

**Achromatopsia**  
89, 0.011, 296.813

**Achromatomaly**  
89, 15.580, 93.419

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 90, 42.849, 90.160 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(254, 224, 144)` looks like.

```
.text, #text, p{  
    color:rgb(254, 224, 144)  
}
```

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(254, 224, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 224, 144) }
```

## Border

The CSS property to change the border of an element to CIELCh 90, 42.849, 90.160 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(254, 224, 144) }
```

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

```
.border{ border-color:rgb(254, 224, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 224, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 224, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 224, 144);  
box-shadow:4px 4px 4px 4px rgb(254, 224,  
144) }
```

# Background

The CSS property to change the background color of an element to CIELCh 90, 42.849, 90.160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 224, 144) }
```

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

```
.background{ background-color: rgb(254,  
224, 144) }
```

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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