

Converting Colors

CIELCh(90, 47.200, 90.914)

Have a look what the booklet for
CIELCh(90, 47.200, 90.914) contains.

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Color

CIELCh(90, 47.297, 90.692)

Conversions

Conversions Part 1

Format	Color
Hex	FFE087
RGB	255, 224, 135
RGB Percent	100%, 88%, 53%
CMY	0.0001, 0.1216, 0.4707
CMYK	0.00, 0.12, 0.47, 0.00
HSL	45°, 100%, 76%
HSV	45°, 47%, 100%
XYZ	72.2524, 76.3034, 33.8339
YIQ	223.1230, 47.0450, -21.1070

Conversions

Conversions Part 2

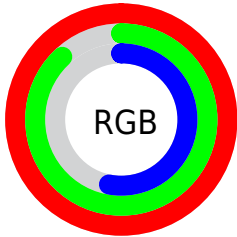
Format	Color
R_{YB}	177, 255, 135
Decimal	16769159
CIE _{Lab}	90.00, -0.57, 47.29
CIE _{LCh}	90, 47.297, 90.692
Yxy	76.3034, 0.3961, 0.4184
Android (android.graphics.Color)	4294959239 (0xFFFFE087)
YUV	223.1230, -43.4446, 27.9561
Hunter-Lab	87.3518, -5.2207, 38.1815

Details

The CIELCh color **90, 47.297, 90.692** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **69, 49.158, 284.805**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 32.709, 107.688**, and **70, 47.279, 90.792** is the 20% darker color. If you saturate the color by 10%, you get **88, 57.109, 89.328**, and if you desaturate by 10%, it is **92, 37.214, 92.029**.

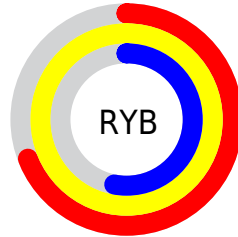
Distribution



Red (100%)

Green (88%)

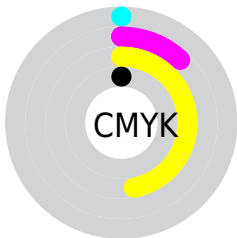
Blue (53%)



Red (69%)

Yellow (100%)

Blue (53%)

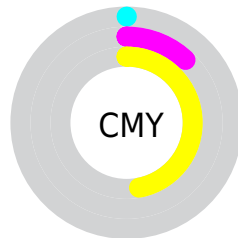


Cyan (0%)

Magenta (12%)

Yellow (47%)

Black (0%)



Cyan (0%)

Magenta (12%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 47.297, 90.692 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, 47.297, 90.692 by changing the saturation by 10% instead.



90, 47.297, 90.692

90, 47.297, 90.692

88, 57.109, 89.328

92, 37.214, 92.029

86, 66.279, 87.912

94, 27.065, 93.329

84, 74.202, 86.410

96, 16.964, 94.591

83, 80.029, 84.745

98, 6.969, 95.800

81, 82.974, 82.796

100, 0.014,
257.785

81, 83.499, 82.188

Harmonies

Complementary

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



90, 47.297, 90.692



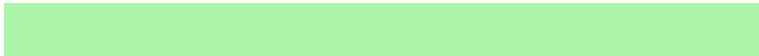
69, 49.158, 284.805

Rectangle

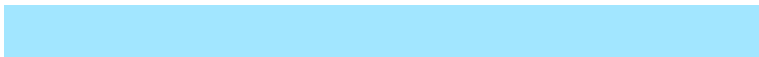
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 47.297, 90.692



90, 47.297, 140.692



90, 47.297, 270.692



90, 47.297, 320.692

Sweetspot

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



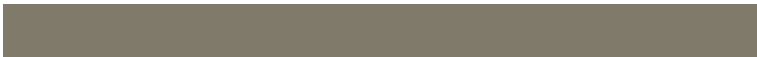
90, 47.298, 90.696



97, 13.893, 94.969



70, 48.922, 4.655



51, 9.606, 94.703



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, 47.298, 90.696



88, 56.095, 89.475



96, 60.177, 116.267



52, 5.623, 95.512



62, 67.344, 82.601



21, 29.295, 85.109

Inverse Universe

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



69, 49.158, 284.805



64, 59.268, 287.113



64, 67.384, 303.411



50, 5.663, 277.896



29, 88.095, 300.338



7, 35.294, 295.548

Previews

White Background



This preview shows how the CIELCh color 90, 47.297, 90.692 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, 47.297, 90.692 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, 47.297, 90.692

Background



This preview shows how black text looks on a background with the CIELCh color 90, 47.297, 90.692.



This preview shows how white text looks on a background with the CIELCh color 90, 47.297, 90.692.

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, 47.297, 90.692

Protanopia

90, 47.118, 95.798

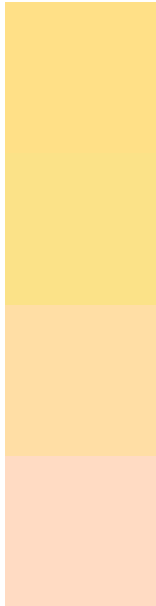
Deuteranopia

90, 24.296, 75.328



Tritanopia
90, 15.672, 355.171

Trichromacy



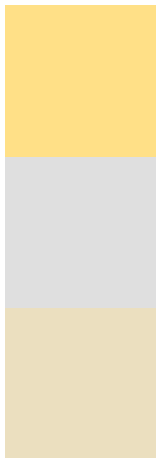
Original Color
90, 47.297, 90.692

Protanomaly
90, 47.037, 93.744

Deuteranomaly
90, 32.383, 83.683

Tritanomaly
90, 18.686, 61.476

Monochromacy



Original Color
90, 47.297, 90.692

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 17.197, 93.370

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 47.297, 90.692 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, 224, 135)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 135)  
}
```

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, 224, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 47.297, 90.692 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, 224, 135) }
```

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

```
.border{ border-color:rgb(255, 224, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 224, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 135);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 47.297, 90.692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 135) }
```

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

```
.background{ background-color: rgb(255,  
224, 135) }
```

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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