

Converting Colors

CIELCh(90, 16.951, 57.506)

Have a look what the booklet for
CIELCh(90, 16.951, 57.506) contains.

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Color

CIELCh(90, 16.951, 57.495)

Conversions

Conversions Part 1

Format	Color
Hex	FFDCC8
RGB	255, 220, 200
RGB Percent	100%, 86%, 78%
CMY	0.0017, 0.1388, 0.2173
CMYK	0.00, 0.14, 0.22, 0.00
HSL	22°, 98%, 89%
HSV	22°, 22%, 100%
XYZ	76.9488, 76.3034, 65.0705
YIQ	228.1850, 27.2800, 1.2000

Conversions

Conversions Part 2

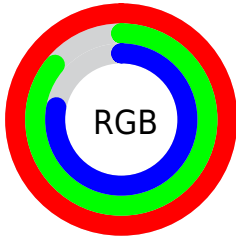
Format	Color
R _Y B	255, 231, 200
Decimal	16768200
CIE Lab	90.00, 9.11, 14.30
CIE LCh	90, 16.951, 57.495
Yxy	76.3034, 0.3525, 0.3495
Android (android.graphics.Color)	4294958280 (0xFFFFDCC8)
YUV	228.1850, -13.8952, 23.5168
Hunter-Lab	87.3518, 4.3762, 16.9797

Details

The CIELCh color **90, 16.951, 57.495** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **91, 15.222, 241.997**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 17.066, 57.335** is the 20% darker color. If you saturate the color by 10%, you get **86, 25.695, 56.687**, and if you desaturate by 10%, it is **95, 8.791, 58.351**.

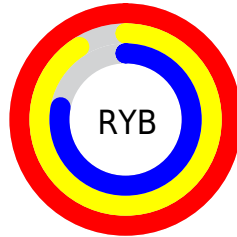
Distribution



Red (100%)

Green (86%)

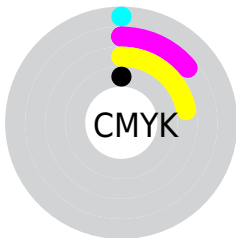
Blue (78%)



Red (100%)

Yellow (91%)

Blue (78%)

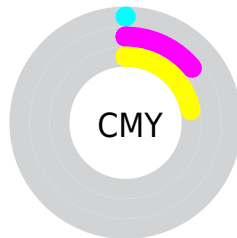


Cyan (0%)

Magenta (14%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (14%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 16.951, 57.495 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, 16.951, 57.495 by changing the saturation by 10% instead.

90, 16.951, 57.495

90, 16.951, 57.495

100, 16.951,
57.495

80, 16.951, 57.495

70, 16.951, 57.495

60, 16.951, 57.495

50, 16.951, 57.495

40, 16.951, 57.495

30, 16.951, 57.495

20, 16.951, 57.495

10, 16.951, 57.495

0, 16.951, 57.495

90, 16.951, 57.495

90, 16.951, 57.495

86, 25.695, 56.687

95, 8.791, 58.351

81, 35.058, 55.925

99, 1.164, 58.838

77, 45.038, 55.231

100, 0.147,
203.919

73, 55.556, 54.595

69, 66.375, 53.961

66, 76.931, 53.166

63, 86.070, 51.842

61, 91.823, 50.123

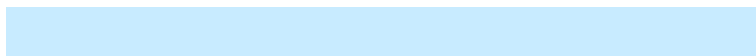
Harmonies

Complementary

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



90, 16.951, 57.495



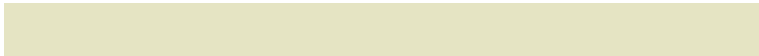
91, 15.222, 241.997

Rectangle

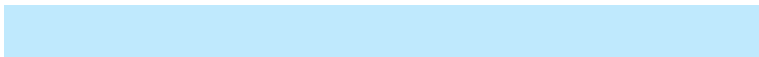
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 16.951, 57.495



90, 16.951, 107.495



90, 16.951, 237.495



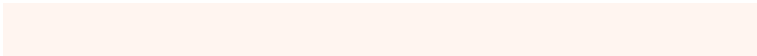
90, 16.951, 287.495

Sweetspot

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



90, 16.951, 57.505



97, 4.467, 58.793



86, 27.081, 338.001



52, 2.970, 58.746



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, 16.951, 57.505



88, 20.756, 57.139



97, 23.938, 100.835



51, 4.285, 58.523



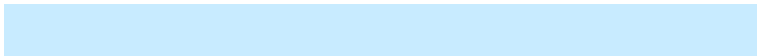
46, 73.600, 50.766



14, 27.799, 48.985

Inverse Universe

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



91, 15.222, 241.997



89, 18.183, 242.657



84, 24.726, 286.029



51, 4.103, 240.506



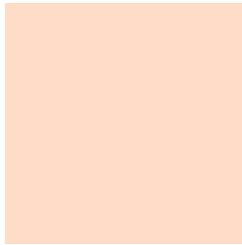
49, 44.246, 267.163



15, 18.780, 259.893

Previews

White Background



This preview shows how the CIE LCh color 90, 16.951, 57.495 looks on a white background.

Color Contrast Check

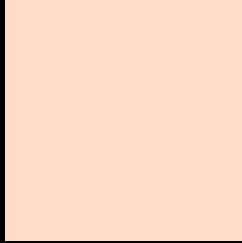
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 90, 16.951, 57.495 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, 16.951, 57.495

Background



This preview shows how black text looks on a background with the CIELCh color 90, 16.951, 57.495.

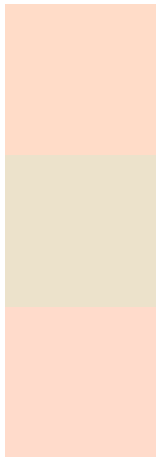


This preview shows how white text looks on a background with the CIELCh color 90, 16.951, 57.495.

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, 16.951, 57.495

Protanopia

90, 12.460, 91.722

Deuteranopia

90, 16.024, 51.128



Tritanopia
90, 16.109, 351.809

Trichromacy



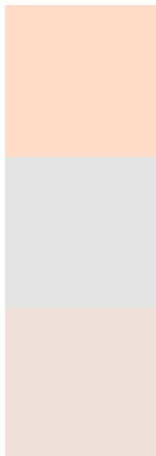
Original Color
90, 16.951, 57.495

Protanomaly
90, 13.456, 77.103

Deuteranomaly
90, 16.322, 52.607

Tritanomaly
90, 14.081, 14.101

Monochromacy



Original Color
90, 16.951, 57.495

Achromatopsia
91, 0.011, 296.813

Achromatomaly
90, 5.958, 56.955

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 16.951, 57.495 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, 220, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 200)  
}
```

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, 220, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 16.951, 57.495 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, 220, 200) }
```

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

```
.border{ border-color:rgb(255, 220, 200) }
```

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

Here you see how a box with a 4 pixel rgb(255, 220, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 16.951, 57.495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 220, 200) }
```

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

```
.background{ background-color: rgb(255,  
220, 200) }
```

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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