

Converting Colors

CIELCh(90, 19.881, 66.417)

Have a look what the booklet for
CIELCh(90, 19.881, 66.417) contains.

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Color

CIELCh(90, 19.913, 66.330)

Conversions

Conversions Part 1

Format	Color
Hex	FFDCC0
RGB	255, 220, 192
RGB Percent	100%, 86%, 75%
CMY	0.0000, 0.1370, 0.2468
CMYK	0.00, 0.14, 0.25, 0.00
HSL	27°, 100%, 88%
HSV	27°, 25%, 100%
XYZ	76.3980, 76.3034, 60.6084
YIQ	227.2730, 29.8480, -1.2880

Conversions

Conversions Part 2

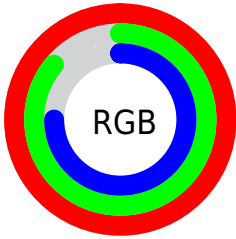
Format	Color
R _Y B	255, 242, 192
Decimal	16768192
CIE Lab	90.00, 7.99, 18.24
CIE LCh	90, 19.913, 66.330
Yxy	76.3034, 0.3582, 0.3577
Android (android.graphics.Color)	4294958272 (0xFFFFDCC0)
YUV	227.2730, -17.3896, 24.3166
Hunter-Lab	87.3518, 3.2506, 20.0083

Details

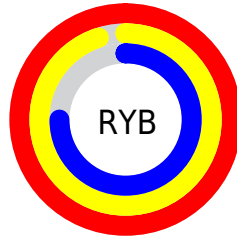
The CIELCh color **90, 19.913, 66.330** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **89, 18.161, 252.789**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 3.539, 109.892**, and **70, 20.223, 66.352** is the 20% darker color. If you saturate the color by 10%, you get **86, 28.779, 65.269**, and if you desaturate by 10%, it is **94, 11.499, 67.522**.

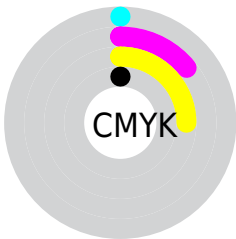
Distribution



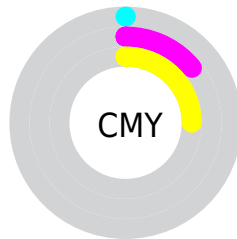
- Red (100%)
- Green (86%)
- Blue (75%)



- Red (100%)
- Yellow (95%)
- Blue (75%)



- Cyan (0%)
- Magenta (14%)
- Yellow (25%)
- Black (0%)



- Cyan (0%)
- Magenta (14%)
- Yellow (25%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 19.913, 66.330 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, 19.913, 66.330 by changing the saturation by 10% instead.

 90, 19.913, 66.330

 90, 19.913, 66.330

 100, 19.913,
66.330

 80, 19.913, 66.330

 70, 19.913, 66.330

 60, 19.913, 66.330

 50, 19.913, 66.330

 40, 19.913, 66.330

 30, 19.913, 66.330

 20, 19.913, 66.330

 10, 19.913, 66.330

 0, 19.913, 66.330

90, 19.913, 66.330

90, 19.913, 66.330

86, 28.779, 65.269

94, 11.499, 67.522

82, 38.164, 64.154

98, 3.562, 68.570

79, 48.007, 63.049

100, 0.012,
296.813

75, 58.165, 61.925

72, 68.286, 60.696

69, 77.632, 59.160

66, 84.944, 56.935

64, 87.907, 55.489

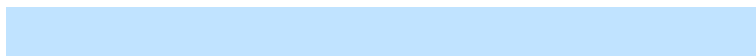
Harmonies

Complementary

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



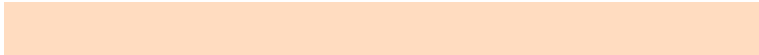
90, 19.913, 66.330



89, 18.161, 252.789

Rectangle

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



90, 19.913, 66.330



90, 19.913, 116.330



90, 19.913, 246.330



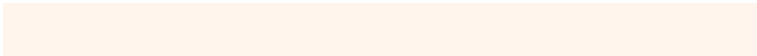
90, 19.913, 296.330

Sweetspot

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



90, 19.894, 66.396



97, 5.365, 68.352



84, 29.335, 342.305



52, 3.492, 68.291



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, 19.894, 66.396



88, 24.559, 65.795



98, 29.722, 104.804



51, 4.389, 68.090



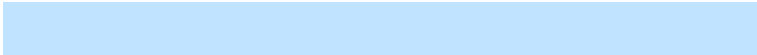
49, 70.458, 56.194



15, 27.165, 56.425

Inverse Universe

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



89, 18.161, 252.789



86, 21.924, 253.780



81, 31.264, 290.434



51, 4.255, 250.479



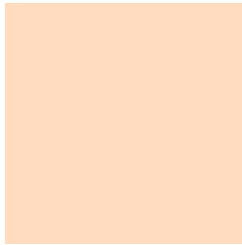
44, 52.134, 278.246



13, 21.504, 271.291

Previews

White Background



This preview shows how the CIE LCh color 90, 19.913, 66.330 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, 19.913, 66.330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

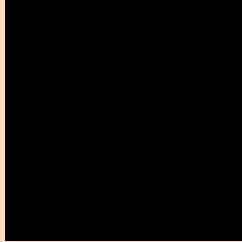
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 19.913, 66.330

Background



This preview shows how black text looks on a background with the CIELCh color 90, 19.913, 66.330.



This preview shows how white text looks on a background with the CIELCh color 90, 19.913, 66.330.

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, 19.913, 66.330

Protanopia

90, 16.654, 92.992

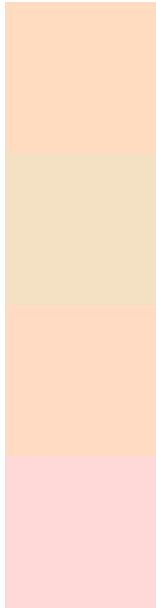
Deuteranopia

90, 17.281, 56.715



Tritanopia
90, 15.883, 353.466

Trichromacy



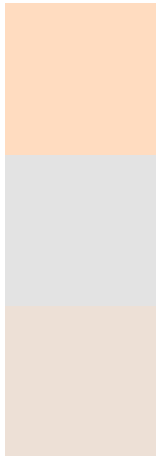
Original Color
90, 19.913, 66.330

Protanomaly
90, 17.317, 82.742

Deuteranomaly
90, 18.323, 60.357

Tritanomaly
90, 14.106, 22.476

Monochromacy



Original Color
90, 19.913, 66.330

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 7.031, 66.898

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 19.913, 66.330 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, 192)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 192)  
}
```

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, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 19.913, 66.330 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, 192) }
```

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

```
.border{ border-color:rgb(255, 220, 192) }
```

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, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 220, 192); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 220, 192); box-shadow:4px 4px 4px 4px rgb(255, 220, 192) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 19.913, 66.330 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, 192) }
```

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

```
.background{ background-color: rgb(255,  
220, 192) }
```

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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