

Converting Colors

CIELCh(90, 22.030, 70.107)

Have a look what the booklet for
CIELCh(90, 22.030, 70.107) contains.

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Color

CIELCh(90, 21.959, 70.523)

Conversions

Conversions Part 1

Format	Color
Hex	FFDCBB
RGB	255, 220, 187
RGB Percent	100%, 86%, 73%
CMY	0.0000, 0.1358, 0.2653
CMYK	0.00, 0.14, 0.27, 0.00
HSL	29°, 100%, 87%
HSV	29°, 27%, 100%
XYZ	76.0668, 76.3034, 57.9252
YIQ	226.7030, 31.4530, -2.8430

Conversions

Conversions Part 2

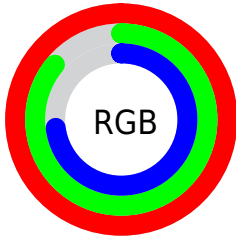
Format	Color
R _Y B	255, 251, 187
Decimal	16768187
CIE Lab	90.00, 7.32, 20.70
CIE LCh	90, 21.959, 70.523
Yxy	76.3034, 0.3617, 0.3628
Android (android.graphics.Color)	4294958267 (0xFFFFDCBB)
YUV	226.7030, -19.5736, 24.8165
Hunter-Lab	87.3518, 2.5739, 21.8296

Details

The CIELCh color **90, 21.959, 70.523** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **87, 20.212, 258.164**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 6.073, 109.711**, and **70, 21.683, 70.635** is the 20% darker color. If you saturate the color by 10%, you get **86, 30.876, 69.579**, and if you desaturate by 10%, it is **94, 13.289, 72.053**.

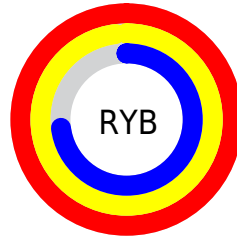
Distribution



Red (100%)

Green (86%)

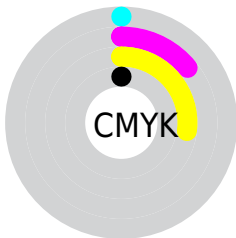
Blue (73%)



Red (100%)

Yellow (98%)

Blue (73%)

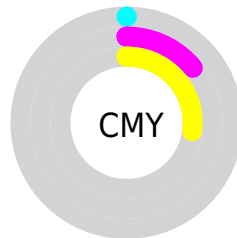


Cyan (0%)

Magenta (14%)

Yellow (27%)

Black (0%)



Cyan (0%)

Magenta (14%)

Yellow (27%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 21.959, 70.523 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, 21.959, 70.523 by changing the saturation by 10% instead.

 90, 21.959, 70.523

 90, 21.959, 70.523

 100, 21.959,
70.523

 80, 21.959, 70.523

 70, 21.959, 70.523

 60, 21.959, 70.523

 50, 21.959, 70.523

 40, 21.959, 70.523

 30, 21.959, 70.523

 20, 21.959, 70.523

 10, 21.959, 70.523

 0, 21.959, 70.523

90, 21.959, 70.523

90, 21.959, 70.523

86, 30.876, 69.579

94, 13.289, 72.053

83, 40.305, 68.326

97, 5.121, 73.227

79, 50.082, 67.056

100, 0.012,
296.813

76, 60.011, 65.731

73, 69.660, 64.250

70, 78.184, 62.395

67, 84.338, 59.797

66, 86.062, 58.802

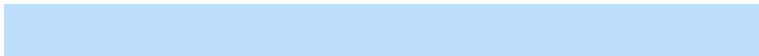
Harmonies

Complementary

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



90, 21.959, 70.523



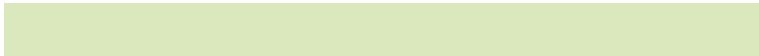
87, 20.212, 258.164

Rectangle

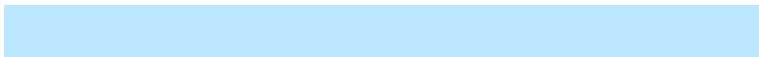
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 21.959, 70.523



90, 21.959, 120.523



90, 21.959, 250.523



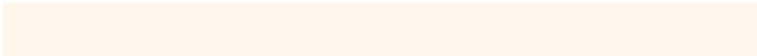
90, 21.959, 300.523

Sweetspot

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



90, 21.868, 70.823



97, 6.296, 73.064



83, 30.569, 345.161



51, 4.491, 72.892



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, 21.868, 70.823



88, 26.740, 70.144



98, 33.493, 106.880



51, 4.491, 72.892



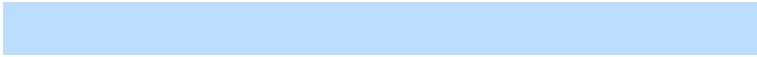
51, 69.044, 59.514



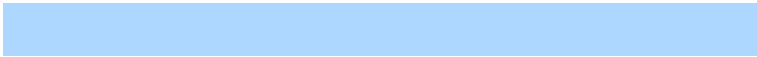
16, 27.023, 60.629

Inverse Universe

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



87, 20.212, 258.164



84, 24.266, 259.255



78, 35.631, 292.754



51, 4.383, 255.402



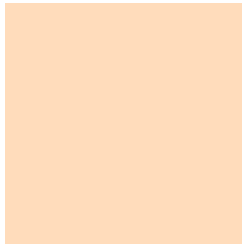
42, 56.913, 282.982



12, 23.223, 276.333

Previews

White Background



This preview shows how the CIE LCh color 90, 21.959, 70.523 looks on a white background.

Color Contrast Check

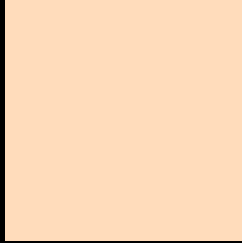
Large Text (above 18pt) WCAG AA × Fail

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, 21.959, 70.523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

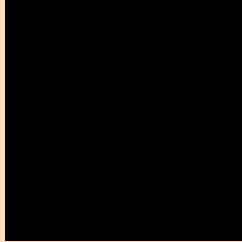
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 21.959, 70.523

Background



This preview shows how black text looks on a background with the CIELCh color 90, 21.959, 70.523.



This preview shows how white text looks on a background with the CIELCh color 90, 21.959, 70.523.

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, 21.959, 70.523

Protanopia

90, 19.253, 93.675

Deuteranopia

90, 18.007, 61.161



Tritanopia
90, 15.883, 353.466

Trichromacy



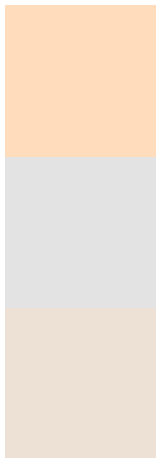
Original Color
90, 21.959, 70.523

Protanomaly
90, 19.852, 84.665

Deuteranomaly
90, 19.519, 65.381

Tritanomaly
90, 13.936, 28.831

Monochromacy



Original Color
90, 21.959, 70.523

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 7.606, 74.125

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 21.959, 70.523 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, 187)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 187)  
}
```

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, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 21.959, 70.523 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, 187) }
```

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

```
.border{ border-color:rgb(255, 220, 187) }
```

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, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 187);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 21.959, 70.523 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, 187) }
```

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

```
.background{ background-color: rgb(255,  
220, 187) }
```

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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