

Converting Colors

CIELCh(90, 16.776, 55.985)

Have a look what the booklet for
CIELCh(90, 16.776, 55.985) contains.

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Color

CIELCh(90, 16.951, 55.399)

Conversions

Conversions Part 1

Format	Color
Hex	FFDBC8
RGB	255, 219, 200
RGB Percent	100%, 86%, 78%
CMY	0.0000, 0.1401, 0.2146
CMYK	0.00, 0.14, 0.21, 0.00
HSL	21°, 100%, 89%
HSV	21°, 21%, 100%
XYZ	77.2050, 76.3034, 65.4685
YIQ	227.5980, 27.5550, 1.7230

Conversions

Conversions Part 2

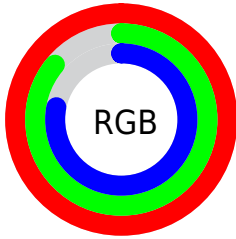
Format	Color
R _Y B	255, 229, 200
Decimal	16767944
CIE Lab	90.00, 9.63, 13.95
CIE LCh	90, 16.951, 55.399
Yxy	76.3034, 0.3526, 0.3485
Android (android.graphics.Color)	4294958024 (0xFFFFDBC8)
YUV	227.5980, -13.6058, 24.0316
Hunter-Lab	87.3518, 4.8999, 16.7095

Details

The CIELCh color **90, 16.951, 55.399** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **91, 15.072, 239.817**, 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, 17.074, 55.156** is the 20% darker color. If you saturate the color by 10%, you get **85, 25.636, 54.882**, and if you desaturate by 10%, it is **95, 8.687, 56.400**.

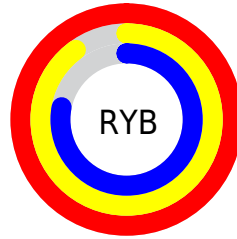
Distribution



Red (100%)

Green (86%)

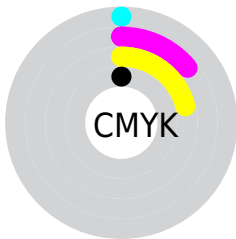
Blue (78%)



Red (100%)

Yellow (90%)

Blue (78%)

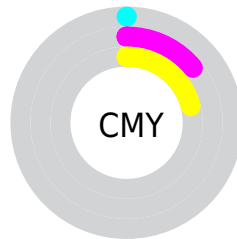


Cyan (0%)

Magenta (14%)

Yellow (21%)

Black (0%)



Cyan (0%)

Magenta (14%)

Yellow (21%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 16.951, 55.399 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, 55.399 by changing the saturation by 10% instead.

 90, 16.951, 55.399

 90, 16.951, 55.399

 100, 16.951,
55.399

 80, 16.951, 55.399

 70, 16.951, 55.399

 60, 16.951, 55.399

 50, 16.951, 55.399

 40, 16.951, 55.399

 30, 16.951, 55.399

 20, 16.951, 55.399

 10, 16.951, 55.399

 0, 16.951, 55.399

90, 16.951, 55.399

90, 16.951, 55.399

85, 25.636, 54.882

95, 8.687, 56.400

81, 35.053, 54.207

99, 1.066, 56.772

77, 45.110, 53.613

100, 0.012,
296.813

73, 55.734, 53.092

69, 66.694, 52.592

66, 77.436, 51.950

62, 86.799, 50.797

60, 92.796, 49.186

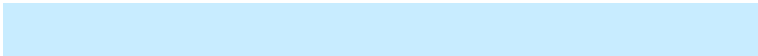
Harmonies

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, 55.399



91, 15.072, 239.817

Rectangle

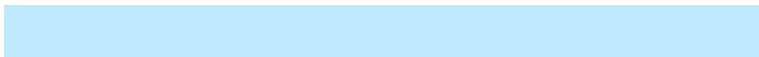
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 16.951, 55.399



90, 16.951, 105.399



90, 16.951, 235.399



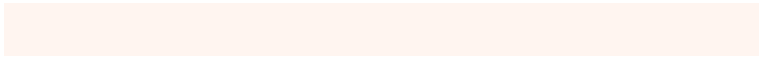
90, 16.951, 285.399

Sweetspot

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



90, 16.860, 55.624



97, 4.460, 56.795



86, 27.260, 337.244



52, 2.965, 56.753



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, 16.860, 55.624



88, 20.765, 55.281



97, 23.429, 99.899



51, 4.279, 56.549



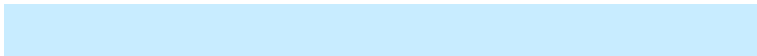
46, 74.274, 49.814



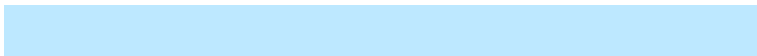
14, 27.976, 47.592

Inverse Universe

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



91, 15.072, 239.817



90, 18.072, 240.464



85, 24.133, 285.130



51, 4.088, 238.423



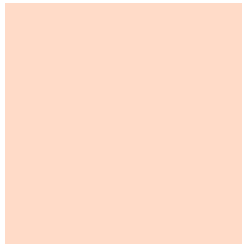
50, 42.884, 264.545



15, 18.329, 257.285

Previews

White Background



This preview shows how the CIE LCh color 90, 16.951, 55.399 looks on a white background.

Color Contrast Check

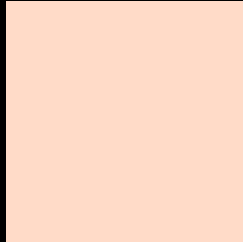
Large Text (above 18pt) WCAG AA × Fail

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, 55.399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

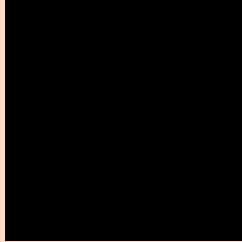
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 16.951, 55.399

Background



This preview shows how black text looks on a background with the CIELCh color 90, 16.951, 55.399.

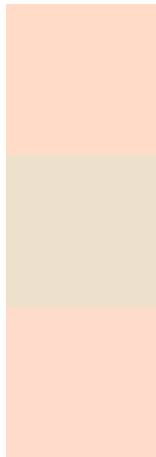


This preview shows how white text looks on a background with the CIELCh color 90, 16.951, 55.399.

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, 55.399

Protanopia

90, 11.966, 91.048

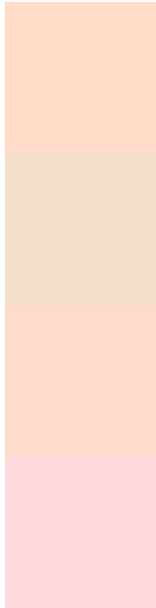
Deuteranopia

90, 16.024, 51.128



Tritanopia
90, 16.109, 351.809

Trichromacy



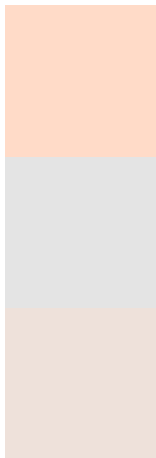
Original Color
90, 16.951, 55.399

Protanomaly
90, 13.013, 75.972

Deuteranomaly
90, 16.322, 52.607

Tritanomaly
90, 14.081, 14.101

Monochromacy



Original Color
90, 16.951, 55.399

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, 55.399 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, 219, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 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, 219, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 16.951, 55.399 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, 219, 200) }
```

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

```
.border{ border-color:rgb(255, 219, 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, 219, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 219, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 219, 200); box-shadow:4px 4px 4px 4px rgb(255, 219, 200) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 16.951, 55.399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 200) }
```

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

```
.background{ background-color: rgb(255,  
219, 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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