

Converting Colors

CIELCh(98, 47.698, 34.719)

Have a look what the booklet for
CIELCh(98, 47.698, 34.719) contains.

CIELCh(90, 17.281, 56.715)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(90, 17.281, 56.715)

Conversions

Conversions Part 1

Format	Color
Hex	FFDBC7
RGB	255, 219, 199
RGB Percent	100%, 86%, 78%
CMY	0.0000, 0.1398, 0.2183
CMYK	0.00, 0.14, 0.22, 0.00
HSL	22°, 100%, 89%
HSV	22°, 22%, 100%
XYZ	77.1346, 76.3034, 64.8962
YIQ	227.4840, 27.8760, 1.4120

Conversions

Conversions Part 2

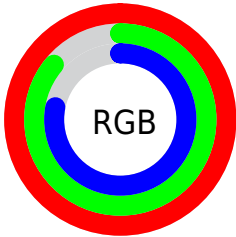
Format	Color
R _Y B	255, 230, 199
Decimal	16767943
CIE Lab	90.00, 9.48, 14.45
CIE LCh	90, 17.281, 56.715
Yxy	76.3034, 0.3533, 0.3495
Android (android.graphics.Color)	4294958023 (0xFFFFDBC7)
YUV	227.4840, -14.0426, 24.1315
Hunter-Lab	87.3518, 4.7560, 17.0979

Details

The CIELCh color **90, 17.281, 56.715** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **91, 15.378, 241.468**, 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, 17.425, 56.514** is the 20% darker color. If you saturate the color by 10%, you get **86, 25.949, 56.195**, and if you desaturate by 10%, it is **95, 8.985, 57.819**.

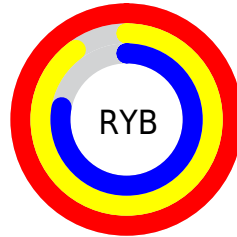
Distribution



Red (100%)

Green (86%)

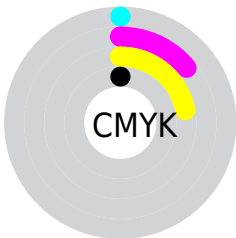
Blue (78%)



Red (100%)

Yellow (90%)

Blue (78%)

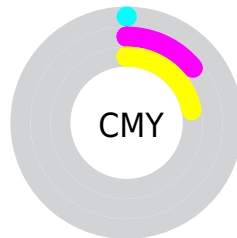


Cyan (0%)

Magenta (14%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (14%)

Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 17.281, 56.715 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, 17.281, 56.715 by changing the saturation by 10% instead.

 90, 17.281, 56.715

 90, 17.281, 56.715

 100, 17.281,
56.715

 80, 17.281, 56.715

 70, 17.281, 56.715

 60, 17.281, 56.715

 50, 17.281, 56.715

 40, 17.281, 56.715

 30, 17.281, 56.715

 20, 17.281, 56.715

 10, 17.281, 56.715

 0, 17.281, 56.715

90, 17.281, 56.715

90, 17.281, 56.715

86, 25.949, 56.195

95, 8.985, 57.819

81, 35.352, 55.457

99, 1.340, 58.350

77, 45.378, 54.790

100, 0.012,
296.813

73, 55.946, 54.185

69, 66.816, 53.584

66, 77.412, 52.819

63, 86.558, 51.517

61, 92.164, 49.871

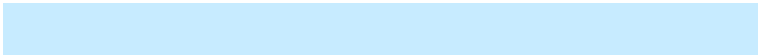
Harmonies

Complementary

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



90, 17.281, 56.715



91, 15.378, 241.468

Rectangle

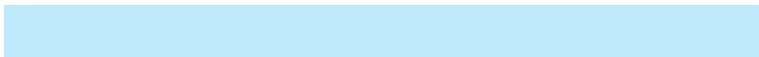
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 17.281, 56.715



90, 17.281, 106.715



90, 17.281, 236.715



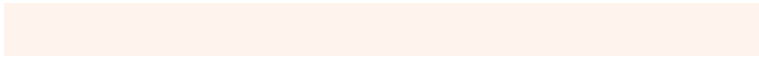
90, 17.281, 286.715

Sweetspot

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



90, 17.171, 56.992



97, 5.228, 58.201



86, 27.416, 338.020



51, 3.404, 58.156



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, 17.171, 56.992



88, 20.756, 56.654



97, 24.232, 100.808



51, 4.283, 58.008



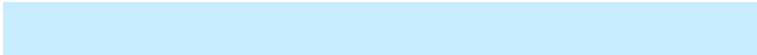
46, 73.776, 50.513



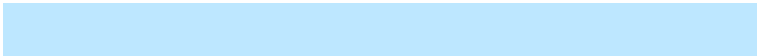
14, 27.844, 48.617

Inverse Universe

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



91, 15.378, 241.468



90, 18.151, 242.086



84, 25.040, 286.065



51, 4.099, 239.963



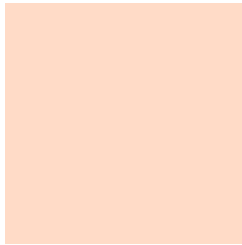
49, 43.882, 266.492



15, 18.658, 259.221

Previews

White Background



This preview shows how the CIE LCh color 90, 17.281, 56.715 looks on a white background.

Color Contrast Check

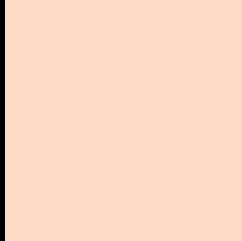
Large Text (above 18pt) WCAG AA × Fail

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, 17.281, 56.715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

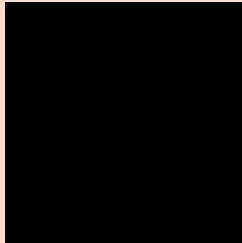
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 17.281, 56.715

Background



This preview shows how black text looks on a background with the CIELCh color 90, 17.281, 56.715.

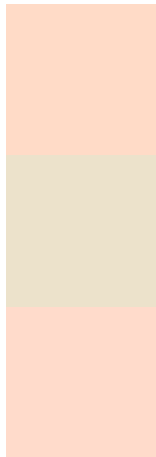


This preview shows how white text looks on a background with the CIELCh color 90, 17.281, 56.715.

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, 17.281, 56.715

Protanopia

90, 12.460, 91.722

Deuteranopia

90, 16.024, 51.128



Tritanopia
90, 16.109, 351.809

Trichromacy



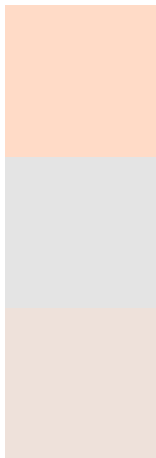
Original Color
90, 17.281, 56.715

Protanomaly
90, 13.456, 77.103

Deuteranomaly
90, 16.322, 52.607

Tritanomaly
90, 14.058, 16.195

Monochromacy



Original Color
90, 17.281, 56.715

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, 17.281, 56.715 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 199)  
}
```

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, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 17.281, 56.715 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, 199) }
```

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

```
.border{ border-color:rgb(255, 219, 199) }
```

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, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 17.281, 56.715 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, 199) }
```

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

```
.background{ background-color: rgb(255,  
219, 199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor