

# Converting Colors

CIELCh(88, 19.634, 51.826)

Have a look what the booklet for  
CIELCh(88, 19.634, 51.826) contains.

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# **Color**

**CIELCh(88, 19.704, 51.986)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFD4C0
RGB	255, 212, 192
RGB Percent	100%, 83%, 75%
CMY	0.0005, 0.1691, 0.2475
CMYK	0.00, 0.17, 0.25, 0.00
HSL	19°, 100%, 88%
HSV	19°, 25%, 100%
XYZ	74.2104, 72.0653, 59.8003
YIQ	222.5770, 32.0480, 2.8960

# Conversions

## Conversions Part 2

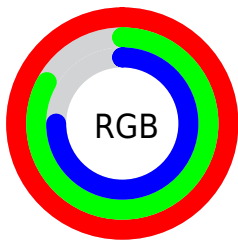
Format	Color
R <sub>Y</sub> B	255, 221, 192
Decimal	16766144
CIE Lab	88.00, 12.13, 15.52
CIE LCh	88, 19.704, 51.986
Yxy	72.0653, 0.3601, 0.3497
Android (android.graphics.Color)	4294956224 (0xFFFFD4C0)
YUV	222.5770, -15.0745, 28.4350
Hunter-Lab	84.8913, 7.4816, 17.6580

# Details

The CIELCh color **88, 19.704, 51.986** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **91, 17.102, 236.265**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 3.539, 109.892**, and **68, 19.388, 50.946** is the 20% darker color. If you saturate the color by 10%, you get **83, 28.763, 51.430**, and if you desaturate by 10%, it is **93, 11.295, 52.626**.

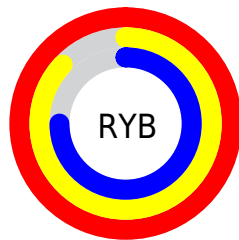
# Distribution



Red (100%)

Green (83%)

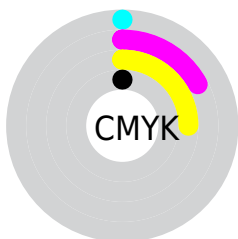
Blue (75%)



Red (100%)

Yellow (87%)

Blue (75%)

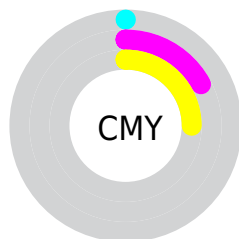


Cyan (0%)

Magenta (17%)

Yellow (25%)

Black (0%)



Cyan (0%)

Magenta (17%)

Yellow (25%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 19.704, 51.986 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 88, 19.704, 51.986 by changing the saturation by 10% instead.



 88, 19.704, 51.986

 88, 19.704, 51.986

 100, 19.704,  
51.986

 78, 19.704, 51.986

 68, 19.704, 51.986

 58, 19.704, 51.986

 48, 19.704, 51.986

 38, 19.704, 51.986

 28, 19.704, 51.986

 18, 19.704, 51.986

 8, 19.704, 51.986

 0, 19.704, 51.986

88, 19.704, 51.986

88, 19.704, 51.986

83, 28.763, 51.430

93, 11.295, 52.626

79, 38.503, 50.958

98, 3.486, 53.218

75, 48.909, 50.594

100, 0.043,  
215.095

70, 59.870, 50.323

67, 71.080, 50.072

63, 81.821, 49.620

60, 90.658, 48.487

59, 94.310, 47.622

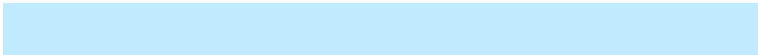
# Harmonies

# Complementary

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



88, 19.704, 51.986



91, 17.102, 236.265

# Rectangle

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



88, 19.704, 51.986



88, 19.704, 101.986



88, 19.704, 231.986



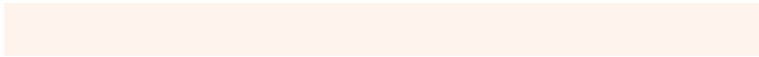
88, 19.704, 281.986

# Sweetspot

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



88, 19.703, 51.995



97, 5.222, 53.108



84, 31.770, 336.775



51, 3.401, 53.074



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



88, 19.703, 51.995



86, 24.417, 51.686



96, 26.541, 98.528



51, 4.282, 52.959



45, 75.503, 48.214



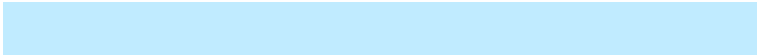
13, 28.331, 45.175





# Inverse Universe

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



91, 17.102, 236.265



89, 20.471, 237.006



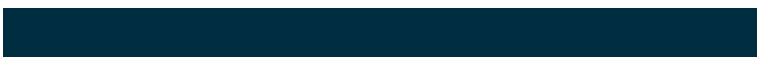
83, 27.390, 284.734



51, 4.075, 234.615



52, 40.648, 259.453



16, 17.610, 252.301



# Previews

## White Background



This preview shows how the CIELCh color 88, 19.704, 51.986 looks on a white background.

## Color Contrast Check

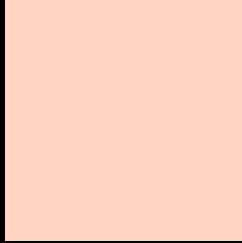
Large Text (above 18pt) WCAG AA × Fail

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 88, 19.704, 51.986 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

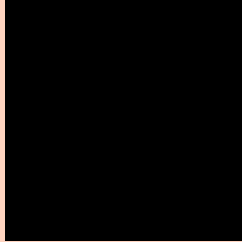
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 88, 19.704, 51.986**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 88, 19.704, 51.986.

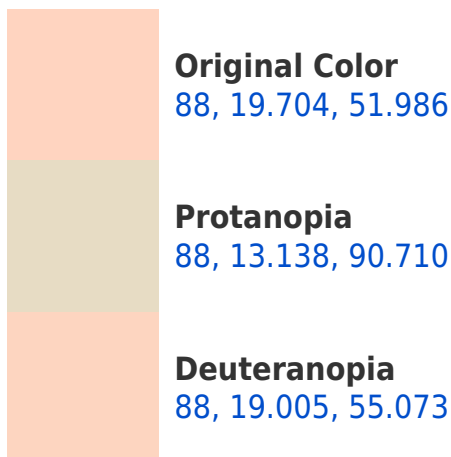


This preview shows how white text looks on a background with the CIELCh color 88, 19.704, 51.986.

# 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

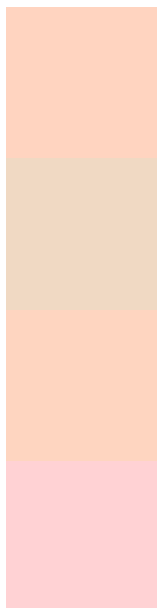




**Tritanopia**  
88, 18.320, 357.471



# Trichromacy



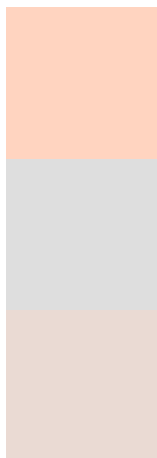
**Original Color**  
88, 19.704, 51.986

**Protanomaly**  
88, 14.434, 71.889

**Deuteranomaly**  
88, 19.331, 54.418

**Tritanomaly**  
88, 16.812, 17.118

# Monochromacy



**Original Color**  
88, 19.704, 51.986

**Achromatopsia**  
88, 0.011, 296.813

**Achromatomaly**  
88, 6.922, 51.357

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 19.704, 51.986 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, 212, 192)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 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, 212, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 192) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 19.704, 51.986 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, 212, 192) }
```

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

```
.border{ border-color:rgb(255, 212, 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, 212, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 192);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
192) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 19.704, 51.986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 192) }
```

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

```
.background{ background-color: rgb(255,  
212, 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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