

# Converting Colors

CIELCh(98, 52.998, 26.124)

Have a look what the booklet for  
CIELCh(98, 52.998, 26.124) contains.

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# Color

**CIELCh(88, 16.536, 31.318)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FED3CD
RGB	254, 211, 205
RGB Percent	100%, 83%, 80%
CMY	0.0041, 0.1725, 0.1960
CMYK	0.00, 0.17, 0.19, 0.00
HSL	7°, 96%, 90%
HSV	7°, 19%, 100%
XYZ	75.1777, 72.0653, 67.7152
YIQ	223.1730, 27.5540, 7.2500

# Conversions

## Conversions Part 2

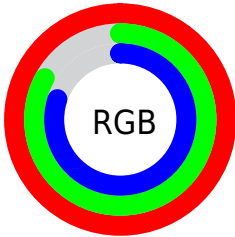
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	254, 212, 205
Decimal	16700365
CIE <sub>Lab</sub>	88.00, 14.13, 8.60
CIE <sub>LCh</sub>	88, 16.536, 31.318
Yxy	72.0653, 0.3497, 0.3353
Android (android.graphics.Color)	4294890445 (0xFFFE <sub>D3CD</sub> )
YUV	223.1730, -8.9593, 27.0353
Hunter-Lab	84.8913, 9.5156, 12.1300

# Details

The CIELCh color **88, 16.536, 31.318** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **95, 14.489, 210.914**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **68, 16.742, 30.206** is the 20% darker color. If you saturate the color by 10%, you get **82, 26.193, 31.811**, and if you desaturate by 10%, it is **94, 7.628, 30.986**.

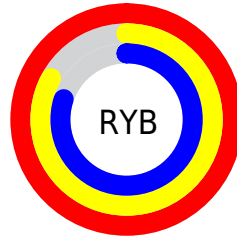
# Distribution



Red (100%)

Green (83%)

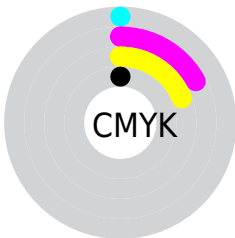
Blue (80%)



Red (100%)

Yellow (83%)

Blue (80%)

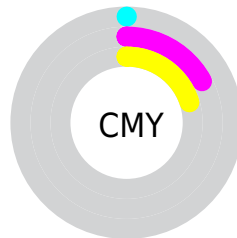


Cyan (0%)

Magenta (17%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (17%)

Yellow (20%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 16.536, 31.318 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, 16.536, 31.318 by changing the saturation by 10% instead.



 88, 16.536, 31.318

 88, 16.536, 31.318

 100, 16.536,  
31.318

 78, 16.536, 31.318

 68, 16.536, 31.318

 58, 16.536, 31.318

 48, 16.536, 31.318

 38, 16.536, 31.318

 28, 16.536, 31.318

 18, 16.536, 31.318

 8, 16.536, 31.318

 0, 16.536, 31.318

88, 16.536, 31.318

88, 16.536, 31.318

82, 26.193, 31.811

94, 7.628, 30.986

77, 36.620, 32.516

100, 0.359,  
201.227

71, 47.777, 33.506

66, 59.542, 34.837

62, 71.656, 36.529

59, 83.606, 38.480

56, 94.278, 40.277

54, 101.720,  
41.187

54, 102.179,  
41.266

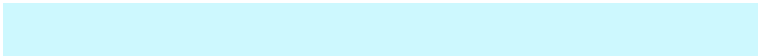
# Harmonies

# Complementary

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



88, 16.536, 31.318



95, 14.489, 210.914

# Rectangle

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



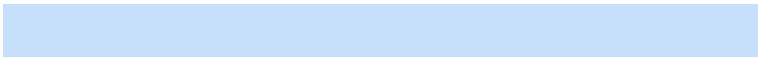
88, 16.536, 31.318



88, 16.536, 81.318



88, 16.536, 211.318



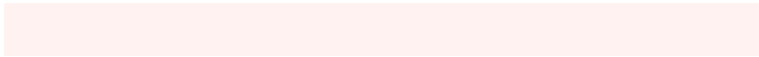
88, 16.536, 261.318

# Sweetspot

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



88, 16.534, 31.327



96, 4.884, 30.871



88, 28.365, 328.917



51, 3.249, 30.897



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

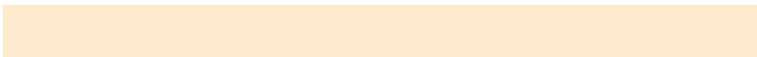
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88, 16.534, 31.327



86, 20.111, 31.486



94, 17.029, 84.402



50, 4.697, 30.994



41, 82.215, 41.536



11, 31.124, 33.185



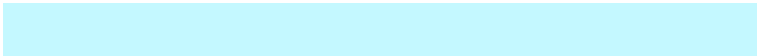


# Inverse Universe

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



95, 14.489, 210.914



94, 17.129, 210.947



89, 16.751, 269.746



52, 4.414, 210.934



63, 35.433, 218.876

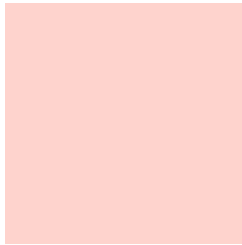


21, 16.444, 215.824



# Previews

## White Background



This preview shows how the CIELCh color 88, 16.536, 31.318 looks on a white background.

## Color Contrast Check

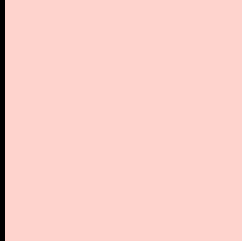
Large Text (above 18pt) WCAG AA × Fail

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 88, 16.536, 31.318 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

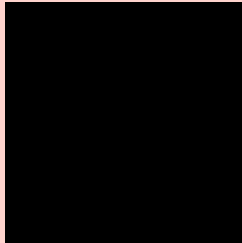
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 88, 16.536, 31.318**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 88, 16.536, 31.318.

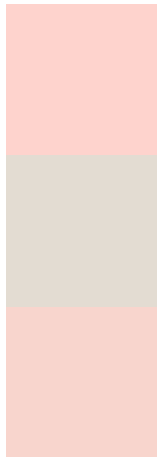


This preview shows how white text looks on a background with the CIELCh color 88, 16.536, 31.318.

# 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


88, 16.554, 31.321

### Protanopia

88, 5.784, 83.329

### Deuteranopia

88, 13.832, 37.682



**Tritanopia**  
88, 18.508, 355.975



# Trichromacy



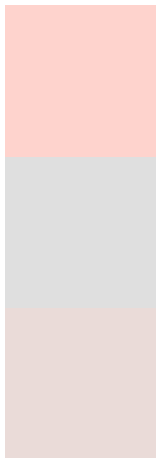
**Original Color**  
88, 16.554, 31.321

**Protanomaly**  
88, 8.779, 51.931

**Deuteranomaly**  
88, 14.792, 34.537

**Tritanomaly**  
88, 17.017, 8.397

# Monochromacy



**Original Color**  
88, 16.554, 31.321

**Achromatopsia**  
89, 0.011, 296.813

**Achromatomaly**  
89, 5.693, 35.547

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 16.536, 31.318 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(254, 211, 205)` looks like.

```
.text, #text, p{  
    color:rgb(254, 211, 205)  
}
```

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(254, 211, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 211, 205) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 16.536, 31.318 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(254, 211, 205) }
```

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

```
.border{ border-color:rgb(254, 211, 205) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(254, 211, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 211, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 211, 205);  
box-shadow:4px 4px 4px 4px rgb(254, 211,  
205) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 16.536, 31.318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 211, 205) }
```

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

```
.background{ background-color: rgb(254,  
211, 205) }
```

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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