

# Converting Colors

CIELCh(86, 18.108, 20.758)

Have a look what the booklet for  
CIELCh(86, 18.108, 20.758) contains.

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# Color

**CIELCh(86, 18.108, 20.760)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCCCCC
RGB	252, 204, 204
RGB Percent	99%, 80%, 80%
CMY	0.0132, 0.2014, 0.2014
CMYK	0.00, 0.19, 0.19, 0.01
HSL	0°, 88%, 89%
HSV	0°, 19%, 99%
XYZ	72.3770, 67.9871, 66.2134
YIQ	218.3520, 28.6080, 10.1760

# Conversions

## Conversions Part 2

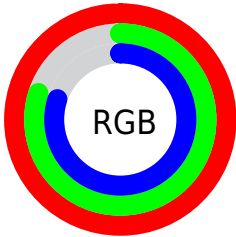
Format	Color
R <sub>Y</sub> B	252, 204, 204
Decimal	16567500
CIE Lab	86.00, 16.93, 6.42
CIE LCh	86, 18.108, 20.760
Yxy	67.9871, 0.3504, 0.3291
Android (android.graphics.Color)	4294757580 (0xFFFC0000)
YUV	218.3520, -7.0755, 29.5093
Hunter-Lab	82.4543, 12.3892, 10.1063

# Details

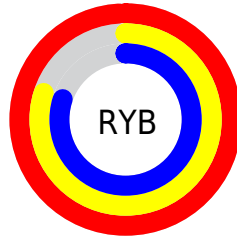
The CIELCh color **86, 18.108, 20.760** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **96, 15.961, 198.441**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **66, 18.073, 21.122** is the 20% darker color. If you saturate the color by 10%, you get **80, 28.689, 21.837**, and if you desaturate by 10%, it is **93, 8.275, 19.914**.

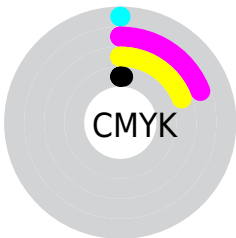
# Distribution



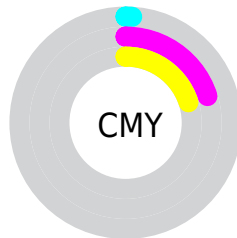
- Red (99%)
- Green (80%)
- Blue (80%)



- Red (99%)
- Yellow (80%)
- Blue (80%)



- Cyan (0%)
- Magenta (19%)
- Yellow (19%)
- Black (1%)



- Cyan (1%)
- Magenta (20%)
- Yellow (20%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 18.108, 20.760 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 86, 18.108, 20.760 by changing the saturation by 10% instead.



 86, 18.108, 20.760

 86, 18.108, 20.760

 100, 18.108,  
20.760

 76, 18.108, 20.760

 66, 18.108, 20.760

 56, 18.108, 20.760

 46, 18.108, 20.760

 36, 18.108, 20.760

 26, 18.108, 20.760

 16, 18.108, 20.760

 6, 18.108, 20.760

 0, 18.108, 20.760

86, 18.108, 20.760

86, 18.108, 20.760

80, 28.689, 21.837

93, 8.275, 19.914

73, 39.971, 23.228

99, 0.815, 200.170

68, 51.805, 25.050

100, 1.170,  
199.897

63, 63.925, 27.417

59, 75.941, 30.402

55, 87.297, 33.912

54, 96.953, 37.414

53, 103.038,  
39.805

53, 103.526,  
40.001

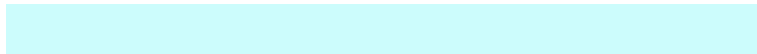
# Harmonies

# Complementary

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



86, 18.108, 20.760



96, 15.961, 198.441

# Rectangle

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



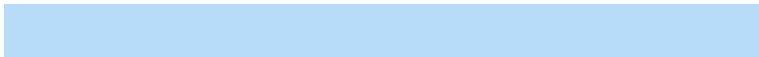
86, 18.108, 20.760



86, 18.108, 70.760



86, 18.108, 200.760



86, 18.108, 250.760

# Sweetspot

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



86, 18.106, 20.767



96, 5.467, 19.663



87, 30.162, 325.485



51, 3.636, 19.718



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

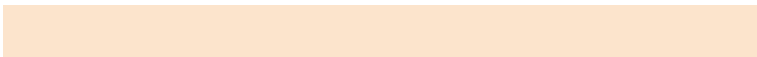
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86, 18.106, 20.767



84, 22.420, 21.157



92, 15.361, 73.028



49, 5.167, 19.948



39, 83.390, 40.001



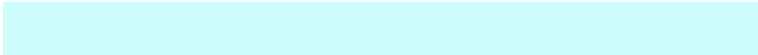
9, 32.194, 26.143



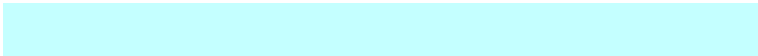


# Inverse Universe

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



96, 15.961, 198.441



96, 19.207, 198.244



89, 14.605, 258.177



51, 4.864, 198.971



69, 39.959, 196.398

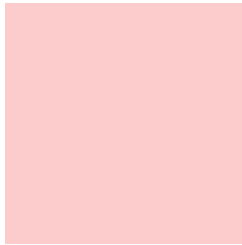


23, 18.079, 196.397



# Previews

## White Background



This preview shows how the CIELCh color 86, 18.108, 20.760 looks on a white background.

## Color Contrast Check

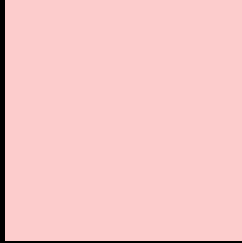
Large Text (above 18pt) WCAG AA × Fail

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 86, 18.108, 20.760 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

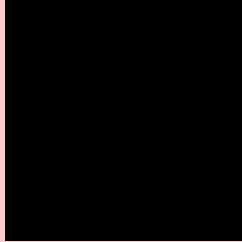
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 86, 18.108, 20.760

## Background



This preview shows how black text looks on a background with the CIELCh color 86, 18.108, 20.760.

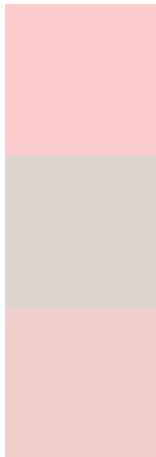


This preview shows how white text looks on a background with the CIELCh color 86, 18.108, 20.760.

# 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

86, 18.108, 20.760

### Protanopia

86, 3.012, 63.276

### Deuteranopia

86, 12.681, 32.083



**Tritanopia**  
86, 20.329, 358.439



# Trichromacy



**Original Color**  
86, 18.108, 20.760

**Protanomaly**  
86, 8.207, 27.228

**Deuteranomaly**  
86, 14.779, 26.510

**Tritanomaly**  
86, 19.154, 6.774

# Monochromacy



**Original Color**  
86, 18.108, 20.760

**Achromatopsia**  
87, 0.010, 296.813

**Achromatomaly**  
87, 6.228, 19.770

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 86, 18.108, 20.760 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(252, 204, 204)` looks like.

```
.text, #text, p{  
    color:rgb(252, 204, 204)  
}
```

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(252, 204, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 204, 204) }
```

## Border

The CSS property to change the border of an element to CIELCh 86, 18.108, 20.760 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(252, 204, 204) }
```

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

```
.border{ border-color:rgb(252, 204, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 204, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 204, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 204, 204);  
box-shadow:4px 4px 4px 4px rgb(252, 204,  
204) }
```

# Background

The CSS property to change the background color of an element to CIELCh 86, 18.108, 20.760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 204, 204) }
```

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

```
.background{ background-color: rgb(252,  
204, 204) }
```

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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