

# Converting Colors

CIELCh(88, 17.189, 14.423)

Have a look what the booklet for  
CIELCh(88, 17.189, 14.423) contains.

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# Color

**CIELCh(88, 16.820, 15.360)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD2D5
RGB	255, 210, 213
RGB Percent	100%, 82%, 84%
CMY	0.0005, 0.1769, 0.1652
CMYK	0.00, 0.18, 0.16, 0.00
HSL	356°, 99%, 91%
HSV	356°, 18%, 100%
XYZ	76.2029, 72.0653, 72.7620
YIQ	223.7970, 25.8570, 10.4730

# Conversions

## Conversions Part 2

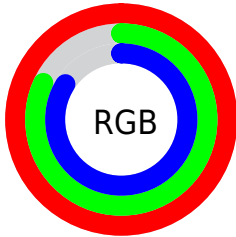
Format	Color
R <sub>Y</sub> B	255, 210, 213
Decimal	16765653
CIE Lab	88.00, 16.22, 4.46
CIE LCh	88, 16.820, 15.360
Yxy	72.0653, 0.3448, 0.3260
Android (android.graphics.Color)	4294955733 (0xFFFFD2D5)
YUV	223.7970, -5.3229, 27.3650
Hunter-Lab	84.8913, 11.6714, 8.6053

# Details

The CIELCh color **88, 16.820, 15.360** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **97, 15.195, 192.671**, 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, 17.077, 15.528** is the 20% darker color. If you saturate the color by 10%, you get **81, 27.254, 16.541**, and if you desaturate by 10%, it is **95, 7.037, 14.386**.

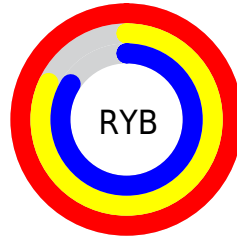
# Distribution



Red (100%)

Green (82%)

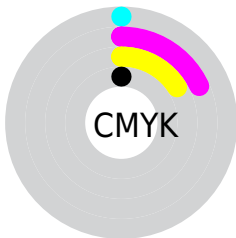
Blue (84%)



Red (100%)

Yellow (82%)

Blue (84%)

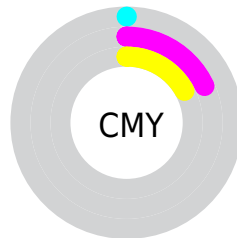


Cyan (0%)

Magenta (18%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (18%)

Yellow (17%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 16.820, 15.360 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, 16.820, 15.360 by changing the saturation by 10% instead.



 88, 16.820, 15.360

 88, 16.820, 15.360

 100, 16.820,  
15.360

 78, 16.820, 15.360

 68, 16.820, 15.360

 58, 16.820, 15.360

 48, 16.820, 15.360

 38, 16.820, 15.360

 28, 16.820, 15.360

 18, 16.820, 15.360

 8, 16.820, 15.360

 0, 16.820, 15.360

88, 16.820, 15.360

88, 16.820, 15.360

81, 27.254, 16.541

95, 7.037, 14.386

75, 38.276, 18.017

100, 0.045,  
214.349

70, 49.717, 19.903

64, 61.303, 22.326

60, 72.663, 25.406

57, 83.382, 29.184

54, 92.978, 33.442

53, 100.522,  
37.406

53, 101.899,  
38.091

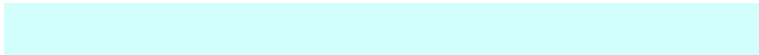
# Harmonies

# Complementary

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



88, 16.820, 15.360



97, 15.195, 192.671

# Rectangle

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



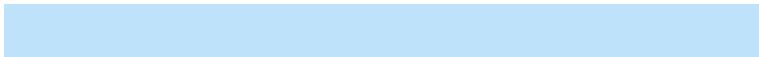
88, 16.820, 15.360



88, 16.820, 65.360



88, 16.820, 195.360



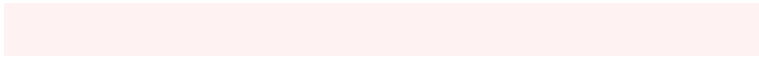
88, 16.820, 245.360

# Sweetspot

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



88, 16.818, 15.367



97, 4.558, 14.121



89, 27.658, 323.532



51, 3.117, 14.194



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

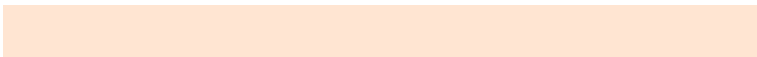
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88, 16.818, 15.367



86, 20.249, 15.733



93, 13.879, 65.871



50, 5.266, 14.562



40, 81.470, 37.479



10, 32.839, 24.493





# Inverse Universe

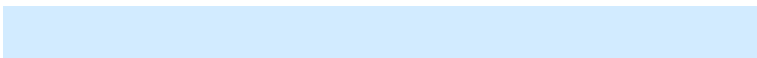
The Inverse Universe completely reimagines the original color for something new.



88, 16.818, 15.367



86, 20.249, 15.733



92, 12.990, 250.220



50, 5.266, 14.562



40, 81.470, 37.479



10, 32.839, 24.493



# Previews

## White Background



This preview shows how the CIELCh color 88, 16.820, 15.360 looks on a white background.

## Color Contrast Check

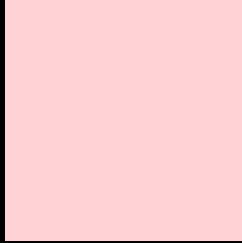
Large Text (above 18pt) WCAG AA × Fail

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, 16.820, 15.360 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

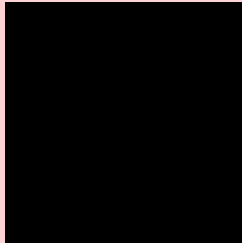
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 88, 16.820, 15.360**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 88, 16.820, 15.360.



This preview shows how white text looks on a background with the CIELCh color 88, 16.820, 15.360.

# 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, 16.820, 15.360

### Protanopia

88, 1.872, 35.350

### Deuteranopia

88, 11.928, 25.195



**Tritanopia**  
88, 18.508, 355.975



# Trichromacy



**Original Color**  
88, 16.820, 15.360

**Protanomaly**  
88, 7.332, 15.801

**Deuteranomaly**  
88, 13.401, 22.555

**Tritanomaly**  
88, 17.839, 2.137

# Monochromacy



**Original Color**  
88, 16.820, 15.360

**Achromatopsia**  
89, 0.011, 296.813

**Achromatomaly**  
89, 5.842, 14.632

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 16.820, 15.360 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, 210, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 213)  
}
```

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, 210, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 213) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 16.820, 15.360 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, 210, 213) }
```

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

```
.border{ border-color:rgb(255, 210, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 210, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
213) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 16.820, 15.360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 213) }
```

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

```
.background{ background-color: rgb(255,  
210, 213) }
```

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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