

# Converting Colors

CIELCh(85, 22.196, 15.029)

Have a look what the booklet for  
CIELCh(85, 22.196, 15.029) contains.

<b>CIELCh(85, 21.655, 15.606)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(85, 21.655, 15.606)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC6CA
RGB	255, 198, 202
RGB Percent	100%, 78%, 79%
CMY	0.0000, 0.2230, 0.2073
CMYK	0.00, 0.22, 0.21, 0.00
HSL	356°, 100%, 89%
HSV	356°, 22%, 100%
XYZ	72.1936, 66.0070, 64.8959
YIQ	215.4990, 32.6880, 13.3280

# Conversions

## Conversions Part 2

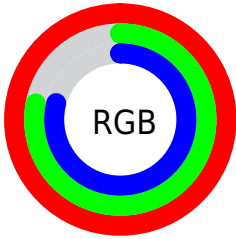
Format	Color
R <sub>Y</sub> B	255, 198, 202
Decimal	16762570
CIE Lab	85.00, 20.86, 5.83
CIE LCh	85, 21.655, 15.606
Yxy	66.0070, 0.3555, 0.3250
Android (android.graphics.Color)	4294952650 (0xFFFFC6CA)
YUV	215.4990, -6.6550, 34.6424
Hunter-Lab	81.2447, 16.4358, 9.5121

# Details

The CIELCh color **85, 21.655, 15.606** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **96, 18.975, 192.012**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **65, 21.430, 15.702** is the 20% darker color. If you saturate the color by 10%, you get **79, 32.315, 16.900**, and if you desaturate by 10%, it is **92, 11.507, 14.533**.

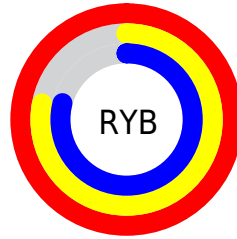
# Distribution



Red (100%)

Green (78%)

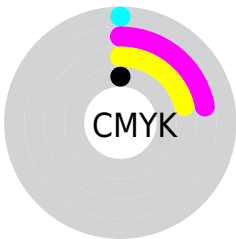
Blue (79%)



Red (100%)

Yellow (78%)

Blue (79%)

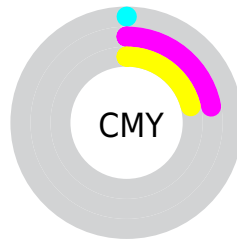


Cyan (0%)

Magenta (22%)

Yellow (21%)

Black (0%)



Cyan (0%)

Magenta (22%)

Yellow (21%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 21.655, 15.606 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 85, 21.655, 15.606 by changing the saturation by 10% instead.



 85, 21.655, 15.606

 85, 21.655, 15.606

 100, 21.655,  
15.606

 75, 21.655, 15.606

 65, 21.655, 15.606

 55, 21.655, 15.606

 45, 21.655, 15.606

 35, 21.655, 15.606

 25, 21.655, 15.606

 15, 21.655, 15.606

 5, 21.655, 15.606

 0, 21.655, 15.606

85, 21.655, 15.606

85, 21.655, 15.606

79, 32.315, 16.900

92, 11.507, 14.533

73, 43.546, 18.558

98, 2.077, 13.441

67, 55.073, 20.682

100, 0.012,  
296.813

62, 66.570, 23.403

58, 77.640, 26.822

56, 87.861, 30.894

54, 96.649, 35.202

53, 101.765,  
37.957

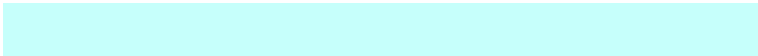
# Harmonies

# Complementary

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



85, 21.655, 15.606



96, 18.975, 192.012

# Rectangle

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



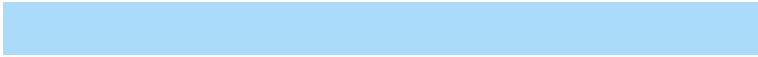
85, 21.655, 15.606



85, 21.655, 65.606



85, 21.655, 195.606



85, 21.655, 245.606

# Sweetspot

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



85, 21.598, 15.593



95, 6.429, 14.025



86, 34.837, 323.287



50, 4.186, 14.083



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



85, 21.598, 15.593



82, 26.564, 16.171



91, 17.700, 63.488



50, 5.268, 14.265



40, 81.317, 37.328



10, 32.812, 24.342





# Inverse Universe

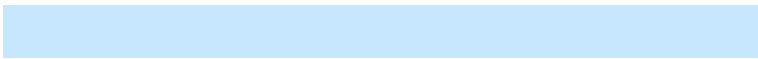
The Inverse Universe completely reimagines the original color for something new.



85, 21.598, 15.593



82, 26.564, 16.171



90, 16.141, 248.895



50, 5.268, 14.265



40, 81.317, 37.328



10, 32.812, 24.342



# Previews

## White Background



This preview shows how the CIELCh color 85, 21.655, 15.606 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 85, 21.655, 15.606 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

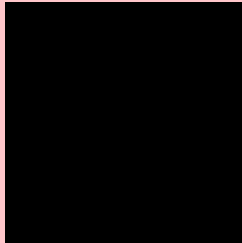
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 85, 21.655, 15.606

## Background



This preview shows how black text looks on a background with the CIELCh color 85, 21.655, 15.606.

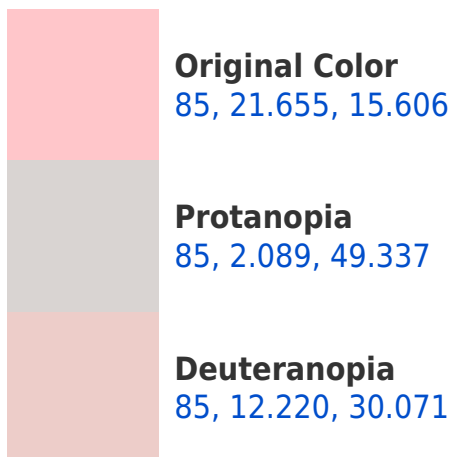


This preview shows how white text looks on a background with the CIELCh color 85, 21.655, 15.606.

# 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

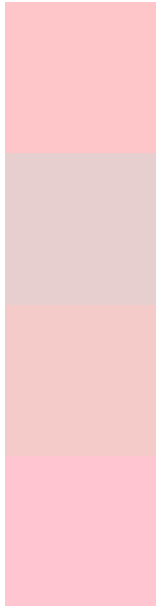




**Tritanopia**  
85, 22.877, 1.299



# Trichromacy



**Original Color**  
85, 21.655, 15.606

**Protanomaly**  
85, 8.891, 20.010

**Deuteranomaly**  
85, 15.521, 24.385

**Tritanomaly**  
85, 22.407, 6.416

# Monochromacy



**Original Color**  
85, 21.655, 15.606

**Achromatopsia**  
86, 0.010, 296.813

**Achromatomaly**  
86, 7.374, 15.820

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 85, 21.655, 15.606 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, 198, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 202)  
}
```

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, 198, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 202) }
```

## Border

The CSS property to change the border of an element to CIELCh 85, 21.655, 15.606 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, 198, 202) }
```

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

```
.border{ border-color:rgb(255, 198, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 198, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
202) }
```

# Background

The CSS property to change the background color of an element to CIELCh 85, 21.655, 15.606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 198, 202) }
```

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

```
.background{ background-color: rgb(255,  
198, 202) }
```

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