

# Converting Colors

CIELCh(85, 22.088, 35.732)

Have a look what the booklet for  
CIELCh(85, 22.088, 35.732) contains.

<b>CIELCh(85, 22.178, 35.831)</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, 22.178, 35.831)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC8BD
RGB	255, 200, 189
RGB Percent	100%, 78%, 74%
CMY	0.0014, 0.2170, 0.2601
CMYK	0.00, 0.22, 0.26, 0.00
HSL	10°, 99%, 87%
HSV	10°, 26%, 100%
XYZ	70.8368, 66.0070, 56.9641
YIQ	215.1910, 36.3110, 8.2390

# Conversions

## Conversions Part 2

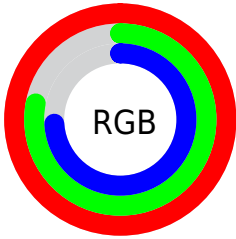
Format	Color
R <sub>Y</sub> B	255, 202, 189
Decimal	16763069
CIE Lab	85.00, 17.98, 12.98
CIE LCh	85, 22.178, 35.831
Yxy	66.0070, 0.3655, 0.3406
Android (android.graphics.Color)	4294953149 (0xFFFFC8BD)
YUV	215.1910, -12.9122, 34.9125
Hunter-Lab	81.2447, 13.4550, 15.3005

# Details

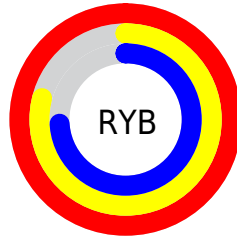
The CIELCh color **85, 22.178, 35.831** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **93, 18.498, 216.357**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 5.059, 109.785**, and **65, 21.984, 35.711** is the 20% darker color. If you saturate the color by 10%, you get **80, 32.062, 36.196**, and if you desaturate by 10%, it is **91, 13.052, 35.648**.

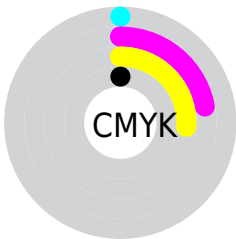
# Distribution



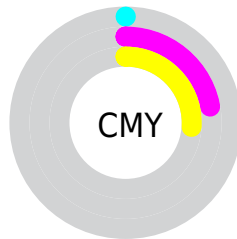
- Red (100%)
- Green (78%)
- Blue (74%)



- Red (100%)
- Yellow (79%)
- Blue (74%)



- Cyan (0%)
- Magenta (22%)
- Yellow (26%)
- Black (0%)



- Cyan (0%)
- Magenta (22%)
- Yellow (26%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 22.178, 35.831 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, 22.178, 35.831 by changing the saturation by 10% instead.



 85, 22.178, 35.831

 85, 22.178, 35.831

 100, 22.178,  
35.831

 75, 22.178, 35.831

 65, 22.178, 35.831

 55, 22.178, 35.831

 45, 22.178, 35.831

 35, 22.178, 35.831

 25, 22.178, 35.831

 15, 22.178, 35.831

 5, 22.178, 35.831

 0, 22.178, 35.831

85, 22.178, 35.831

85, 22.178, 35.831

80, 32.062, 36.196

91, 13.052, 35.648

74, 42.713, 36.775

96, 4.648, 35.523

69, 54.068, 37.622

100, 0.122,  
204.833

65, 65.956, 38.757

61, 78.002, 40.124

58, 89.369, 41.457

56, 98.264, 42.068

55, 101.021,  
42.164

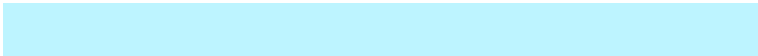
# Harmonies

# Complementary

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



85, 22.178, 35.831



93, 18.498, 216.357

# Rectangle

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



85, 22.178, 35.831



85, 22.178, 85.831



85, 22.178, 215.831



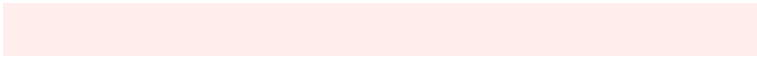
85, 22.178, 265.831

# Sweetspot

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



85, 22.176, 35.838



95, 6.357, 35.559



84, 36.927, 331.002



50, 4.546, 35.577



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, 22.176, 35.838



82, 27.144, 35.996



93, 24.152, 87.773



50, 4.546, 35.577



41, 81.041, 42.514



11, 30.467, 35.371





# Inverse Universe

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



93, 18.498, 216.357



92, 21.734, 216.607



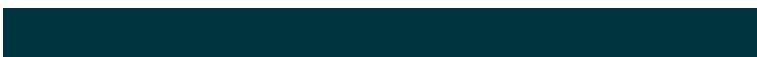
84, 24.011, 275.047



52, 4.276, 215.906



61, 35.072, 228.381



20, 16.160, 224.022



# Previews

## White Background



This preview shows how the CIELCh color 85, 22.178, 35.831 looks on a white background.

## Color Contrast Check

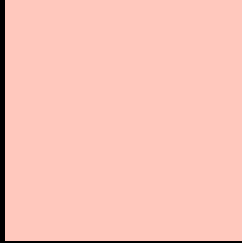
Large Text (above 18pt) WCAG AA × Fail

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 85, 22.178, 35.831 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

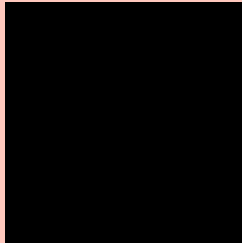
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 85, 22.178, 35.831

## Background



This preview shows how black text looks on a background with the CIELCh color 85, 22.178, 35.831.

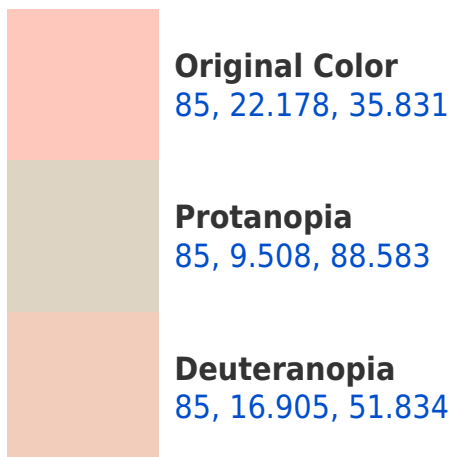


This preview shows how white text looks on a background with the CIELCh color 85, 22.178, 35.831.

# 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, 22.742, 2.557



# Trichromacy



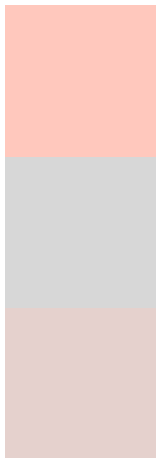
**Original Color**  
85, 22.178, 35.831

**Protanomaly**  
85, 12.358, 59.202

**Deuteranomaly**  
85, 18.843, 44.966

**Tritanomaly**  
85, 21.668, 14.234

# Monochromacy



**Original Color**  
85, 22.178, 35.831

**Achromatopsia**  
86, 0.010, 296.813

**Achromatomaly**  
85, 7.710, 35.579

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 85, 22.178, 35.831 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, 200, 189)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 189)  
}
```

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, 200, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 189) }
```

## Border

The CSS property to change the border of an element to CIELCh 85, 22.178, 35.831 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, 200, 189) }
```

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

```
.border{ border-color:rgb(255, 200, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 200, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 189);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
189) }
```

# Background

The CSS property to change the background color of an element to CIELCh 85, 22.178, 35.831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 200, 189) }
```

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

```
.background{ background-color: rgb(255,  
200, 189) }
```

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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