

# Converting Colors

CIELCh(91, 51.540, 32.932)

Have a look what the booklet for  
CIELCh(91, 51.540, 32.932) contains.

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# **Color**

**CIELCh(84, 25.498, 41.332)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC4B3
RGB	255, 196, 179
RGB Percent	100%, 77%, 70%
CMY	0.0000, 0.2321, 0.2988
CMYK	0.00, 0.23, 0.30, 0.00
HSL	13°, 100%, 85%
HSV	13°, 30%, 100%
XYZ	69.3728, 64.0658, 51.2489
YIQ	211.7030, 40.6210, 7.2210

# Conversions

## Conversions Part 2

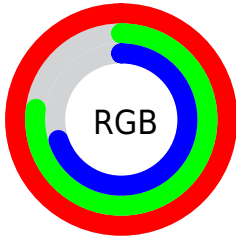
Format	Color
R <sub>Y</sub> B	255, 201, 179
Decimal	16762035
CIE Lab	84.00, 19.15, 16.84
CIE LCh	84, 25.498, 41.332
Yxy	64.0658, 0.3756, 0.3469
Android (android.graphics.Color)	4294952115 (0xFFFFC4B3)
YUV	211.7030, -16.1226, 37.9715
Hunter-Lab	80.0411, 14.6367, 18.0664

# Details

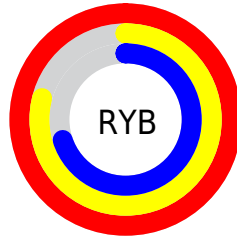
The CIELCh color **84, 25.498, 41.332** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **91, 20.506, 224.014**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 9.146, 104.969**, and **64, 25.175, 41.814** is the 20% darker color. If you saturate the color by 10%, you get **79, 35.024, 41.668**, and if you desaturate by 10%, it is **89, 16.059, 41.673**.

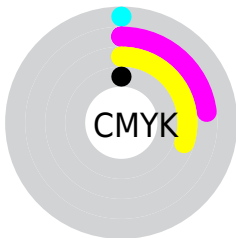
# Distribution



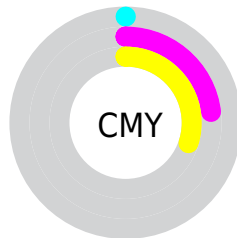
- Red (100%)
- Green (77%)
- Blue (70%)



- Red (100%)
- Yellow (79%)
- Blue (70%)



- Cyan (0%)
- Magenta (23%)
- Yellow (30%)
- Black (0%)



- Cyan (0%)
- Magenta (23%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 25.498, 41.332 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 84, 25.498, 41.332 by changing the saturation by 10% instead.



84, 25.498, 41.332

84, 25.498, 41.332

100, 25.498,  
41.332

74, 25.498, 41.332

64, 25.498, 41.332

54, 25.498, 41.332

44, 25.498, 41.332

34, 25.498, 41.332

24, 25.498, 41.332

14, 25.498, 41.332

4, 25.498, 41.332

0, 25.498, 41.332

84, 25.498, 41.332

84, 25.498, 41.332

79, 35.024, 41.668

89, 16.059, 41.673

74, 45.631, 41.923

95, 7.659, 41.841

69, 56.918, 42.387

100, 0.012,  
296.813

65, 68.678, 43.041

62, 80.419, 43.761

59, 91.024, 44.166

56, 98.817, 43.754

56, 98.900, 43.753

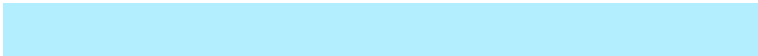
# Harmonies

# Complementary

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



84, 25.498, 41.332



91, 20.506, 224.014

# Rectangle

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



84, 25.498, 41.332



84, 25.498, 91.332



84, 25.498, 221.332



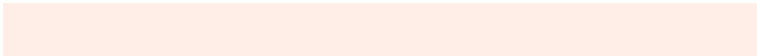
84, 25.498, 271.332

# Sweetspot

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



84, 25.167, 41.597



95, 6.949, 41.856



82, 41.155, 333.093



50, 4.858, 41.831



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



84, 25.167, 41.597



81, 31.106, 41.620



93, 29.254, 91.142



50, 4.399, 41.847



42, 79.184, 44.202



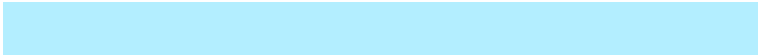
12, 29.637, 38.559



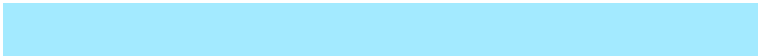


# Inverse Universe

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



91, 20.506, 224.014



89, 24.130, 224.623



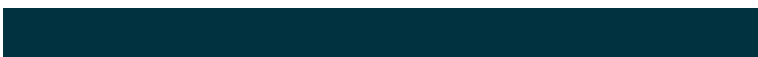
81, 29.579, 279.455



52, 4.150, 222.694



57, 35.940, 240.739



18, 16.257, 234.907



# Previews

## White Background



This preview shows how the CIELCh color 84, 25.498, 41.332 looks on a white background.

## Color Contrast Check

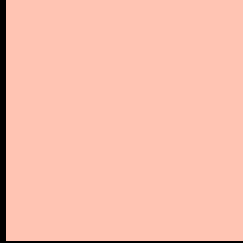
Large Text (above 18pt) WCAG AA × Fail

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 84, 25.498, 41.332 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 84, 25.498, 41.332

## Background



This preview shows how black text looks on a background with the CIELCh color 84, 25.498, 41.332.



This preview shows how white text looks on a background with the CIELCh color 84, 25.498, 41.332.

# 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

84, 25.087, 41.630

### Protanopia

84, 13.152, 92.210

### Deuteranopia

84, 19.953, 59.080



**Tritanopia**  
84, 24.273, 3.912



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 84, 25.498, 41.332 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, 196, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 179)  
}
```

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, 196, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 179) }
```

## Border

The CSS property to change the border of an element to CIELCh 84, 25.498, 41.332 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, 196, 179) }
```

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

```
.border{ border-color:rgb(255, 196, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 196, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
179) }
```

# Background

The CSS property to change the background color of an element to CIELCh 84, 25.498, 41.332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 179) }
```

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

```
.background{ background-color: rgb(255,  
196, 179) }
```

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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