

# Converting Colors

CIELCh(84, 25.368, 40.911)

Have a look what the booklet for  
CIELCh(84, 25.368, 40.911) contains.

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# Color

**CIELCh(84, 25.087, 41.630)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC4B3
RGB	255, 196, 179
RGB Percent	100%, 77%, 70%
CMY	0.0000, 0.2309, 0.2976
CMYK	0.00, 0.23, 0.30, 0.00
HSL	13°, 100%, 85%
HSV	13°, 30%, 100%
XYZ	69.1904, 64.0658, 51.4207
YIQ	211.7030, 40.6210, 7.2210

# Conversions

## Conversions Part 2

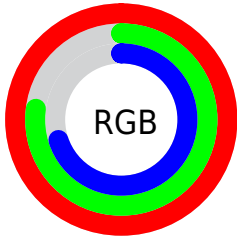
Format	Color
R <sub>Y</sub> B	255, 201, 179
Decimal	16762035
CIE Lab	84.00, 18.75, 16.67
CIE LCh	84, 25.087, 41.630
Yxy	64.0658, 0.3747, 0.3469
Android (android.graphics.Color)	4294952115 (0xFFFFC4B3)
YUV	211.7030, -16.1226, 37.9715
Hunter-Lab	80.0411, 14.2298, 17.9392

# Details

The CIELCh color **84, 25.087, 41.630** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **91, 20.428, 224.100**, 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, 34.888, 41.734**, and if you desaturate by 10%, it is **89, 15.948, 41.752**.

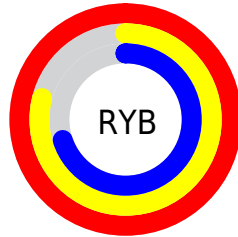
# Distribution



Red (100%)

Green (77%)

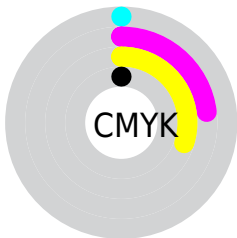
Blue (70%)



Red (100%)

Yellow (79%)

Blue (70%)

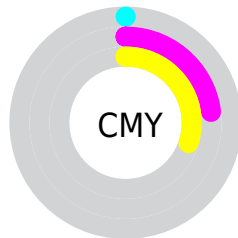


Cyan (0%)

Magenta (23%)

Yellow (30%)

Black (0%)



Cyan (0%)

Magenta (23%)

Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 25.087, 41.630 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, 25.087, 41.630 by changing the saturation by 10% instead.



84, 25.087, 41.630

84, 25.087, 41.630

100, 25.087,  
41.630

74, 25.087, 41.630

64, 25.087, 41.630

54, 25.087, 41.630

44, 25.087, 41.630

34, 25.087, 41.630

24, 25.087, 41.630

14, 25.087, 41.630

4, 25.087, 41.630

0, 25.087, 41.630

84, 25.087, 41.630

84, 25.087, 41.630

79, 34.888, 41.734

89, 15.948, 41.752

74, 45.482, 41.982

95, 7.560, 41.924

70, 56.757, 42.437

100, 0.012,  
296.813

65, 68.510, 43.083

62, 80.253, 43.795

59, 90.879, 44.199

56, 98.701, 43.780

56, 98.869, 43.776

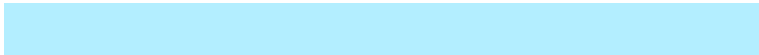
# Harmonies

# Complementary

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



84, 25.087, 41.630



91, 20.428, 224.100

# Rectangle

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



84, 25.087, 41.630



84, 25.087, 91.630



84, 25.087, 221.630



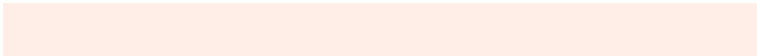
84, 25.087, 271.630

# Sweetspot

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



84, 25.044, 41.670



95, 6.947, 41.937



82, 40.992, 333.085



50, 4.856, 41.912



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, 25.044, 41.670



81, 31.094, 41.691



93, 29.135, 91.158



50, 4.398, 41.928



42, 79.159, 44.227



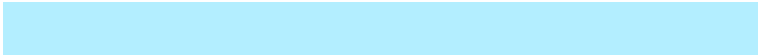
12, 29.626, 38.602



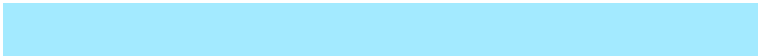


# Inverse Universe

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



91, 20.428, 224.100



89, 24.126, 224.722



81, 29.456, 279.433



52, 4.148, 222.781



57, 35.961, 240.891



18, 16.262, 235.044



# Previews

## White Background



This preview shows how the CIELCh color 84, 25.087, 41.630 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, 25.087, 41.630 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, 25.087, 41.630

## Background



This preview shows how black text looks on a background with the CIELCh color 84, 25.087, 41.630.



This preview shows how white text looks on a background with the CIELCh color 84, 25.087, 41.630.

# 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, 12.649, 91.594

### 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, 25.087, 41.630 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, 25.087, 41.630 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, 25.087, 41.630 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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