

# Converting Colors

CIELCh(81, 29.752, 40.867)

Have a look what the booklet for  
CIELCh(81, 29.752, 40.867) contains.

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# Color

**CIELCh(81, 29.791, 40.868)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEB9A6
RGB	254, 185, 166
RGB Percent	100%, 73%, 65%
CMY	0.0042, 0.2748, 0.3493
CMYK	0.00, 0.27, 0.35, 0.00
HSL	13°, 98%, 82%
HSV	13°, 35%, 100%
XYZ	65.0514, 58.4711, 43.8975
YIQ	203.4650, 47.2230, 8.7190

# Conversions

## Conversions Part 2

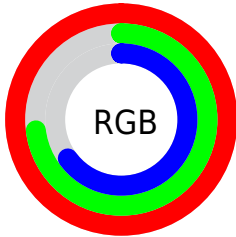
Format	Color
R <sub>Y</sub> B	254, 190, 166
Decimal	16693670
CIE Lab	81.00, 22.53, 19.49
CIE LCh	81, 29.791, 40.868
Yxy	58.4711, 0.3886, 0.3492
Android (android.graphics.Color)	4294883750 (0xFFFE9A6)
YUV	203.4650, -18.4702, 44.3192
Hunter-Lab	76.4664, 18.0370, 19.4895

# Details

The CIELCh color **81, 29.791, 40.868** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **89, 23.326, 223.457**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 11.432, 82.587**, and **61, 29.896, 41.323** is the 20% darker color. If you saturate the color by 10%, you get **76, 40.015, 41.080**, and if you desaturate by 10%, it is **86, 20.320, 40.840**.

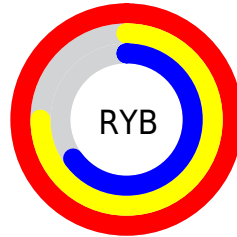
# Distribution



Red (100%)

Green (73%)

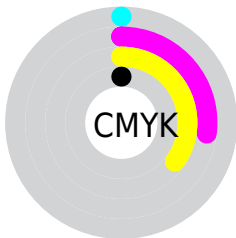
Blue (65%)



Red (100%)

Yellow (75%)

Blue (65%)

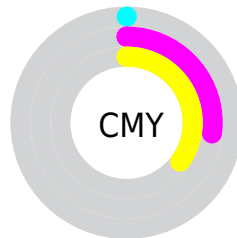


Cyan (0%)

Magenta (27%)

Yellow (35%)

Black (0%)



Cyan (0%)

Magenta (27%)

Yellow (35%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 29.791, 40.868 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 81, 29.791, 40.868 by changing the saturation by 10% instead.



 81, 29.791, 40.868

 81, 29.791, 40.868

 100, 29.791,  
40.868

 71, 29.791, 40.868

 61, 29.791, 40.868

 51, 29.791, 40.868

 41, 29.791, 40.868

 31, 29.791, 40.868

 21, 29.791, 40.868

 11, 29.791, 40.868

 1, 29.791, 40.868

 0, 29.791, 40.868

81, 29.791, 40.868

81, 29.791, 40.868

76, 40.015, 41.080

86, 20.320, 40.840

71, 50.967, 41.492

92, 11.584, 40.934

67, 62.519, 42.122

97, 3.530, 41.032

63, 74.356, 42.915

100, 0.376,  
201.143

60, 85.744, 43.648

57, 95.107, 43.752

56, 98.891, 43.521

# Harmonies

# Complementary

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



81, 29.791, 40.868



89, 23.326, 223.457

# Rectangle

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



81, 29.791, 40.868



81, 29.791, 90.868



81, 29.791, 220.868



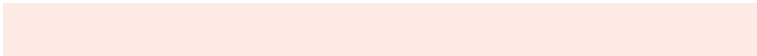
81, 29.791, 270.868

# Sweetspot

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



81, 29.789, 40.874



94, 7.782, 41.000



79, 47.987, 332.798



50, 5.340, 40.980



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



81, 29.789, 40.874



78, 37.358, 41.006



91, 33.414, 89.241



50, 4.415, 41.006



42, 79.446, 43.952



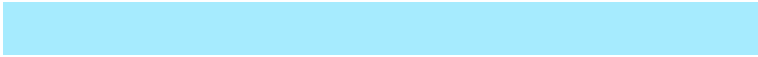
12, 29.745, 38.109



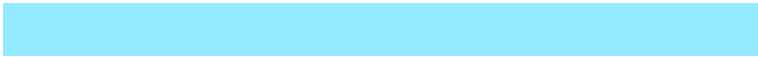


# Inverse Universe

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



89, 23.326, 223.457



88, 27.492, 224.272



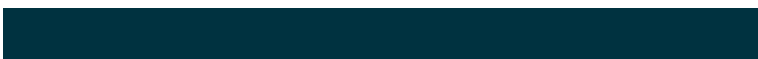
78, 33.656, 279.232



52, 4.163, 221.785



58, 35.740, 239.145



19, 16.214, 233.483



# Previews

## White Background



This preview shows how the CIELCh color 81, 29.791, 40.868 looks on a white background.

## Color Contrast Check

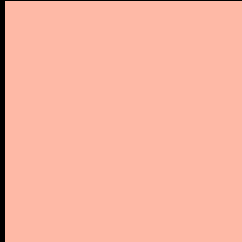
Large Text (above 18pt) WCAG AA × Fail

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 81, 29.791, 40.868 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 81, 29.791, 40.868**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 81, 29.791, 40.868.



This preview shows how white text looks on a background with the CIELCh color 81, 29.791, 40.868.

# 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

81, 29.791, 40.868

### Protanopia

81, 14.779, 93.709

### Deuteranopia

81, 22.729, 64.023



**Tritanopia**  
81, 28.533, 8.096



# Trichromacy



**Original Color**  
81, 29.791, 40.868

**Protanomaly**  
81, 17.997, 64.590

**Deuteranomaly**  
81, 24.558, 54.307

**Tritanomaly**  
81, 28.025, 20.673

# Monochromacy



**Original Color**  
81, 29.791, 40.868

**Achromatopsia**  
82, 0.010, 296.813

**Achromatomaly**  
81, 10.370, 37.830

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 81, 29.791, 40.868 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(254, 185, 166)` looks like.

```
.text, #text, p{  
    color:rgb(254, 185, 166)  
}
```

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(254, 185, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 185, 166) }
```

## Border

The CSS property to change the border of an element to CIELCh 81, 29.791, 40.868 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(254, 185, 166) }
```

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

```
.border{ border-color:rgb(254, 185, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 185, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 185, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 185, 166);  
box-shadow:4px 4px 4px 4px rgb(254, 185,  
166) }
```

# Background

The CSS property to change the background color of an element to CIELCh 81, 29.791, 40.868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 185, 166) }
```

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

```
.background{ background-color: rgb(254,  
185, 166) }
```

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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