

# Converting Colors

CIELCh(80, 28.468, 25.802)

Have a look what the booklet for  
CIELCh(80, 28.468, 25.802) contains.

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# **Color**

**CIELCh(80, 28.526, 25.950)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCB4B0
RGB	252, 180, 176
RGB Percent	99%, 71%, 69%
CMY	0.0104, 0.2928, 0.3085
CMYK	0.00, 0.29, 0.30, 0.01
HSL	3°, 93%, 84%
HSV	3°, 30%, 99%
XYZ	64.5262, 56.6813, 48.7797
YIQ	201.0720, 44.1960, 14.0200

# Conversions

## Conversions Part 2

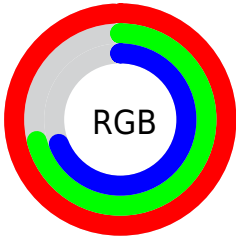
Format	Color
R <sub>Y</sub> B	252, 180, 176
Decimal	16561328
CIE Lab	80.00, 25.65, 12.48
CIE LCh	80, 28.526, 25.950
Yxy	56.6813, 0.3796, 0.3334
Android (android.graphics.Color)	4294751408 (0xFFFCB4B0)
YUV	201.0720, -12.3605, 44.6639
Hunter-Lab	75.2870, 21.2348, 14.2859

# Details

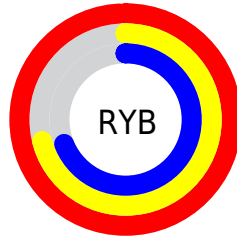
The CIELCh color **80, 28.526, 25.950** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **93, 23.026, 203.187**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 7.163, 36.345**, and **60, 28.423, 25.781** is the 20% darker color. If you saturate the color by 10%, you get **74, 39.481, 27.099**, and if you desaturate by 10%, it is **86, 18.302, 25.097**.

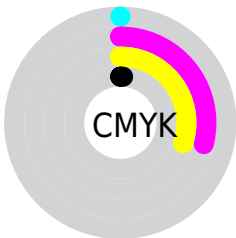
# Distribution



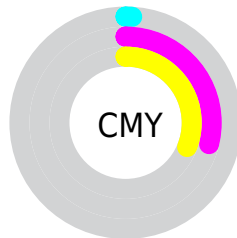
- Red (99%)
- Green (71%)
- Blue (69%)



- Red (99%)
- Yellow (71%)
- Blue (69%)



- Cyan (0%)
- Magenta (29%)
- Yellow (30%)
- Black (1%)



- Cyan (1%)
- Magenta (29%)
- Yellow (31%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 28.526, 25.950 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 80, 28.526, 25.950 by changing the saturation by 10% instead.



 80, 28.526, 25.950

 80, 28.526, 25.950

 100, 28.526,  
25.950

 70, 28.526, 25.950

 60, 28.526, 25.950

 50, 28.526, 25.950

 40, 28.526, 25.950

 30, 28.526, 25.950

 20, 28.526, 25.950

 10, 28.526, 25.950

 0, 28.526, 25.950

 80, 28.526, 25.950

 80, 28.526, 25.950

74, 39.481, 27.099

86, 18.302, 25.097

69, 51.075, 28.617

93, 8.839, 24.434

64, 63.099, 30.594

99, 0.109, 17.949

60, 75.211, 33.070

100, 0.921,  
200.066

56, 86.837, 35.928

54, 96.791, 38.644

53, 103.105,  
40.384

# Harmonies

# Complementary

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



80, 28.526, 25.950



93, 23.026, 203.187

# Rectangle

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



80, 28.526, 25.950



80, 28.526, 75.950



80, 28.526, 205.950



80, 28.526, 255.950

# Sweetspot

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



80, 28.524, 25.955



94, 7.885, 24.365



81, 46.115, 327.508



49, 5.512, 24.454



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



80, 28.524, 25.955



77, 35.172, 26.589



89, 25.673, 76.693



49, 4.909, 24.395



40, 82.665, 40.540



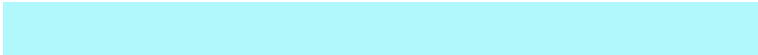
10, 31.115, 28.825





# Inverse Universe

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



93, 23.026, 203.187



93, 27.057, 203.099



83, 24.217, 265.506



51, 4.615, 203.780



66, 37.268, 205.188



21, 16.996, 204.002



# Previews

## White Background



This preview shows how the CIELCh color 80, 28.526, 25.950 looks on a white background.

## Color Contrast Check

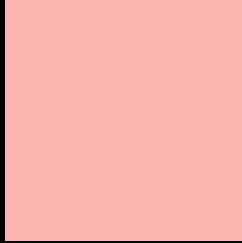
Large Text (above 18pt) WCAG AA × Fail

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 80, 28.526, 25.950 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 80, 28.526, 25.950

## Background



This preview shows how black text looks on a background with the CIELCh color 80, 28.526, 25.950.



This preview shows how white text looks on a background with the CIELCh color 80, 28.526, 25.950.

# 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

80, 28.526, 25.950

### Protanopia

80, 6.876, 87.017

### Deuteranopia

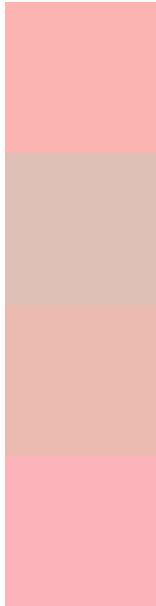
80, 16.838, 52.453



**Tritanopia**  
80, 29.848, 7.819



# Trichromacy



**Original Color**  
80, 28.526, 25.950

**Protanomaly**  
80, 12.743, 44.665

**Deuteranomaly**  
80, 20.391, 38.845

**Tritanomaly**  
80, 28.790, 14.591

# Monochromacy



**Original Color**  
80, 28.526, 25.950

**Achromatopsia**  
81, 0.010, 296.813

**Achromatomaly**  
80, 10.202, 23.121

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 80, 28.526, 25.950 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(252, 180, 176)` looks like.

```
.text, #text, p{  
    color:rgb(252, 180, 176)  
}
```

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(252, 180, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 180, 176) }
```

## Border

The CSS property to change the border of an element to CIELCh 80, 28.526, 25.950 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(252, 180, 176) }
```

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

```
.border{ border-color:rgb(252, 180, 176) }
```

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

Here you see how a box with a 4 pixel rgb(252, 180, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 180, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 180, 176);  
box-shadow:4px 4px 4px 4px rgb(252, 180,  
176) }
```

# Background

The CSS property to change the background color of an element to CIELCh 80, 28.526, 25.950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 180, 176) }
```

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

```
.background{ background-color: rgb(252,  
180, 176) }
```

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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