

# Converting Colors

CIELCh(80, 24.047, 7.223)

Have a look what the booklet for  
CIELCh(80, 24.047, 7.223) contains.

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# Color

**CIELCh(80, 24.327, 6.467)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4B6C2
RGB	244, 182, 194
RGB Percent	96%, 71%, 76%
CMY	0.0425, 0.2857, 0.2386
CMYK	0.00, 0.25, 0.20, 0.04
HSL	348°, 74%, 84%
HSV	348°, 25%, 96%
XYZ	63.8774, 56.6813, 58.7018
YIQ	201.9060, 33.1000, 16.8760

# Conversions

## Conversions Part 2

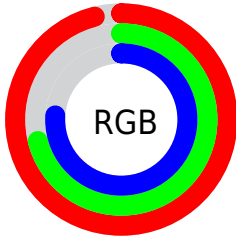
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	244, 182, 194
Decimal	16037570
CIE Lab	80.00, 24.17, 2.74
CIE LCh	80, 24.327, 6.467
Yxy	56.6813, 0.3563, 0.3162
Android (android.graphics.Color)	4294227650 (0xFFFF4B6C2)
YUV	201.9060, -3.8977, 36.9164
Hunter-Lab	75.2870, 19.6966, 6.4721

# Details

The CIELCh color **80, 24.327, 6.467** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **92, 21.849, 181.426**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 8.624, 334.457**, and **60, 24.179, 7.485** is the 20% darker color. If you saturate the color by 10%, you get **74, 34.628, 7.963**, and if you desaturate by 10%, it is **86, 14.383, 5.230**.

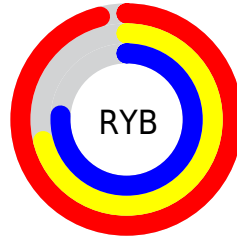
# Distribution



Red (96%)

Green (71%)

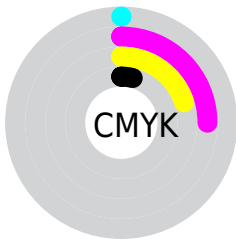
Blue (76%)



Red (96%)

Yellow (71%)

Blue (76%)

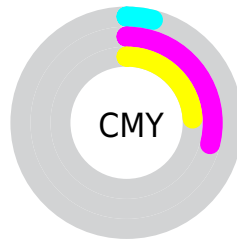


Cyan (0%)

Magenta (25%)

Yellow (20%)

Black (4%)



Cyan (4%)

Magenta (29%)

Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 24.327, 6.467 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, 24.327, 6.467 by changing the saturation by 10% instead.



 80, 24.327, 6.467

 80, 24.327, 6.467

 100, 24.327, 6.467

 70, 24.327, 6.467

 60, 24.327, 6.467

 50, 24.327, 6.467

 40, 24.327, 6.467

 30, 24.327, 6.467

 20, 24.327, 6.467

 10, 24.327, 6.467

 0, 24.327, 6.467

 80, 24.327, 6.467

 80, 24.327, 6.467

74, 34.628, 7.963

86, 14.383, 5.230

68, 45.100, 9.803

93, 4.908, 4.122

63, 55.437, 12.114

99, 3.874, 185.882

59, 65.245, 15.046

99, 3.744, 199.345

55, 74.124, 18.751

53, 81.825, 23.307

52, 88.361, 28.556

51, 91.156, 30.959

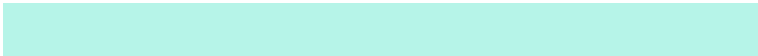
# Harmonies

# Complementary

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



80, 24.327, 6.467



92, 21.849, 181.426

# Rectangle

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



80, 24.327, 6.467



80, 24.327, 56.467



80, 24.327, 186.467



80, 24.327, 236.467

# Sweetspot

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



80, 24.324, 6.471



95, 7.591, 4.416



80, 37.195, 319.944



50, 5.417, 4.580



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, 24.324, 6.471



80, 30.078, 7.132



84, 19.671, 49.985



48, 5.238, 4.576



39, 73.695, 29.971



9, 30.024, 17.020





# Inverse Universe

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



80, 24.324, 6.471



80, 30.078, 7.132



87, 16.909, 233.964



48, 5.238, 4.576



39, 73.695, 29.971



9, 30.024, 17.020



# Previews

## White Background



This preview shows how the CIELCh color 80, 24.327, 6.467 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, 24.327, 6.467 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, 24.327, 6.467**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 80, 24.327, 6.467.



This preview shows how white text looks on a background with the CIELCh color 80, 24.327, 6.467.

# 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, 24.327, 6.467

### Protanopia

80, 2.897, 312.532

### Deuteranopia

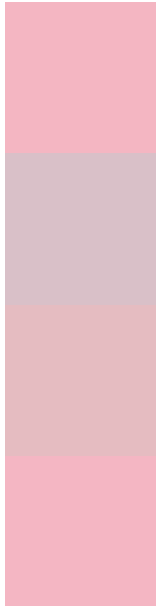
80, 10.564, 20.196



**Tritanopia**  
80, 24.530, 4.051



# Trichromacy



**Original Color**  
80, 24.327, 6.467

**Protanomaly**  
80, 10.213, 355.647

**Deuteranomaly**  
80, 15.733, 11.026

**Tritanomaly**  
80, 24.422, 5.254

# Monochromacy



**Original Color**  
80, 24.327, 6.467

**Achromatopsia**  
81, 0.010, 296.813

**Achromatomaly**  
81, 8.455, 5.528

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 80, 24.327, 6.467 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(244, 182, 194)` looks like.

```
.text, #text, p{  
    color:rgb(244, 182, 194)  
}
```

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(244, 182, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 182, 194) }
```

## Border

The CSS property to change the border of an element to CIELCh 80, 24.327, 6.467 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(244, 182, 194) }
```

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

```
.border{ border-color:rgb(244, 182, 194) }
```

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

Here you see how a box with a 4 pixel rgb(244, 182, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 182, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 182, 194);  
box-shadow:4px 4px 4px 4px rgb(244, 182,  
194) }
```

# Background

The CSS property to change the background color of an element to CIELCh 80, 24.327, 6.467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 182, 194) }
```

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

```
.background{ background-color: rgb(244,  
182, 194) }
```

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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