

# Converting Colors

XYZ(70.1236, 64.2469, 76.5589)

Have a look what the booklet for  
XYZ(70.1236, 64.2469, 76.5589)  
contains.

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# Color

**XYZ(70.1927, 64.3329,  
76.4281)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4C5DC
RGB	244, 197, 220
RGB Percent	96%, 77%, 86%
CMY	0.0431, 0.2274, 0.1372
CMYK	0.00, 0.19, 0.10, 0.04
HSL	331°, 68%, 86%
HSV	331°, 19%, 96%
XYZ	70.1927, 64.3329, 76.4281
YIQ	213.6750, 20.6290, 17.1170

# Conversions

## Conversions Part 2

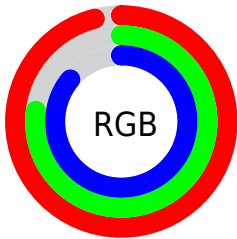
Format	Color
<a href="#">RYB</a>	<a href="#">244, 197, 220</a>
Decimal	<a href="#">16041436</a>
CIELab	<a href="#">84.14, 20.31, -5.09</a>
CIElCh	<a href="#">84, 20.943, 345.932</a>
Yxy	<a href="#">64.3329, 0.3327, 0.3050</a>
Android (android.graphics.Color)	<a href="#">4294231516</a> ( <a href="#">0xFFFF4C5DC</a> )
YUV	<a href="#">213.6750, 3.1182, 26.5950</a>
Hunter-Lab	<a href="#">80.2078, 15.8481, -0.3506</a>

# Details

The XYZ color **70.1927, 64.3329, 76.4281** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **68.4303, 81.7938, 80.5915**, and the grayscale version is **63.6697, 66.9854, 72.9472**.

A 20% lighter version of the original color is **94.7318, 99.3636, 108.7939**, and **37.1075, 32.9263, 39.9969** is the 20% darker color. If you saturate the color by 10%, you get **63.5053, 53.5009, 66.3582**, and if you desaturate by 10%, it is **77.9035, 77.0132, 87.4476**.

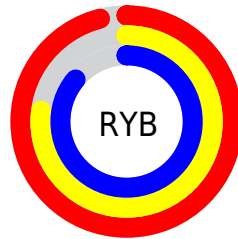
# Distribution



Red (96%)

Green (77%)

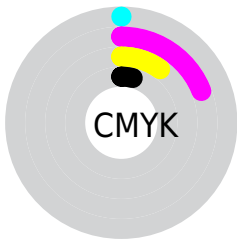
Blue (86%)



Red (96%)

Yellow (77%)

Blue (86%)

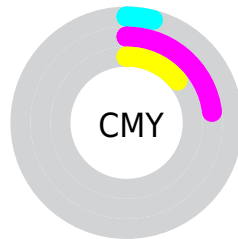


Cyan (0%)

Magenta (19%)

Yellow (10%)

Black (4%)



Cyan (4%)

Magenta (23%)


Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1927, 64.3329, 76.4281 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 XYZ color 70.1927, 64.3329, 76.4281 by changing the saturation by 10% instead.



 70.1927, 64.3329,  
76.4281

 70.1927, 64.3329,  
76.4281


450.4822,  
440.3908, 502.1977

 51.9638, 46.9204,  
56.2749

118.5083,  
111.0902, 130.0975

 37.2004, 32.9727,  
40.0179

149.3257,  
141.2038, 164.4507

 25.5371, 22.1055,  
27.2386


185.0700,  
176.3198, 204.3744

 16.6085, 13.9345,  
17.5185

226.1065,  
216.8227, 250.2870

 10.0493, 8.0751,  
10.4390

272.8007,  
263.0969, 302.6071

 5.4942, 4.1430,  
5.5816


325.5177,


 2.5777, 1.7539,


315.5267, 361.7532


2.5277


384.6231,  
374.4965, 428.1439

 0.9346, 0.4582,  
0.8548


 0.0000, 0.0000,  
0.0000


 70.1927, 64.3329,  
76.4281


 70.1927, 64.3329,  
76.4281


 63.5053, 53.5009,  
66.3582


 77.9035, 77.0132,  
87.4476

 57.7901, 44.4214,  
57.2055

 86.6749, 91.6147,  
99.4395

 52.9995, 37.0029,  
48.9411

 91.1185, 97.9733,  
108.7160

 49.0796, 31.1422,  
41.5332

■ 45.9706, 26.7244,  
34.9470

■ 43.6043, 23.6182,  
29.1446

■ 41.9007, 21.6685,  
24.0834

■ 40.7375, 20.6362,  
19.7060

■ 40.6620, 20.5747,  
19.4052

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.7671, 64.3329, 89.3141



70.1927, 64.3329, 76.4281



70.1106, 64.3329, 63.2810

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.1927, 64.3329, 76.4281



58.7358, 64.3329, 48.2843



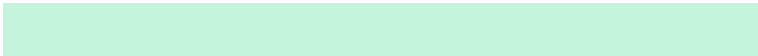
55.1627, 64.3329, 90.0053

# Complementary

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



70.1927, 64.3329, 76.4281



68.4303, 81.7938, 80.5915

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



52.9810, 64.3329, 77.2801



70.1927, 64.3329, 76.4281



54.9718, 64.3329, 53.7725

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.1927, 64.3329, 76.4281



63.3356, 64.3329, 48.1170



52.9129, 64.3329, 64.0325



59.0084, 64.3329, 97.7967



# Rectangle

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



70.1927, 64.3329, 76.4281



68.6402, 64.3329, 56.1288



52.9129, 64.3329, 64.0325



54.2191, 64.3329, 86.0959

# Sweetspot

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



70.1946, 64.3358, 76.4295



89.1292, 90.1306, 100.8460



65.9646, 61.7611, 94.0331



18.9449, 19.0718, 21.4026



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



70.1946, 64.3358, 76.4295



74.6562, 66.3368, 80.1383



67.3548, 63.1999, 61.4756



16.8371, 16.6177, 18.8887



22.1782, 11.2147, 10.9128



2.0010, 1.0064, 1.2317



# Inverse Universe

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



70.1946, 64.3358, 76.4295



74.6562, 66.3368, 80.1383



71.7077, 83.1047, 97.8501



16.8371, 16.6177, 18.8887



22.1782, 11.2147, 10.9128

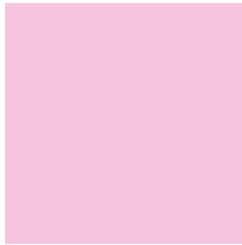


2.0010, 1.0064, 1.2317



# Previews

## White Background



This preview shows how the XYZ color 70.1927, 64.3329, 76.4281 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

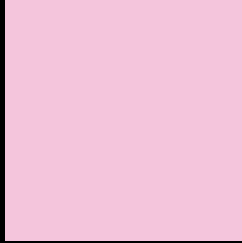
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.1927, 64.3329, 76.4281 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](#).

**XYZ 70.1927, 64.3329, 76.4281**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.1927, 64.3329, 76.4281.



This preview shows how white text looks on a background with the XYZ color 70.1927, 64.3329,



# 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

70.1927, 64.3329, 76.4281

### Protanopia

62.9601, 64.7023, 81.8435

### Deuteranopia

66.0576, 64.6311, 76.0113



## Tritanopia

69.1665, 64.2469, 71.7062

# Trichromacy



## Original Color

70.1927, 64.3329, 76.4281

## Protanomaly

65.4101, 64.5741, 79.5376

## Deuteranomaly

67.2771, 64.2114, 75.8660

## Tritanomaly

69.5509, 64.4007, 73.7306

# Monochromacy



## Original Color

70.1927, 64.3329, 76.4281

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

66.0019, 66.0772, 74.2412

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.1927, 64.3329, 76.4281 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, 197, 220)` looks like.

```
.text, #text, p{  
    color:rgb(244, 197, 220)  
}
```

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, 197, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 197, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 70.1927, 64.3329, 76.4281 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, 197, 220) }
```



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

```
.border{ border-color:rgb(244, 197, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 197, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 197, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 197, 220);  
box-shadow:4px 4px 4px 4px rgb(244, 197,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.1927, 64.3329, 76.4281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 197, 220) }
```

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

```
.background{ background-color: rgb(244,  
197, 220) }
```

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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