

# Converting Colors

XYZ(77.4041, 70.9624, 79.2218)

Have a look what the booklet for XYZ(77.4041, 70.9624, 79.2218) contains.

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# Color

**XYZ(76.6306, 70.7303,  
79.4255)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCEDF
RGB	255, 206, 223
RGB Percent	100%, 81%, 87%
CMY	0.0000, 0.1921, 0.1255
CMYK	0.00, 0.19, 0.13, 0.00
HSL	339°, 100%, 90%
HSV	339°, 19%, 100%
XYZ	76.6306, 70.7303, 79.4255
YIQ	222.5890, 23.7470, 15.6750

# Conversions

## Conversions Part 2

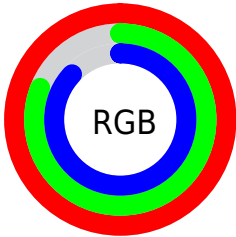
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 206, 223
Decimal	16764639
CIE Lab	87.35, 19.87, -1.84
CIE LCh	87, 19.957, 354.706
Yxy	70.7303, 0.3379, 0.3119
Android (android.graphics.Color)	4294954719 (0xFFFFCEDF)
YUV	222.5890, 0.2026, 28.4244
Hunter-Lab	84.1013, 15.4666, 2.8773

# Details

The XYZ color **76.6306, 70.7303, 79.4255** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **76.6485, 90.8160, 94.3818**, and the grayscale version is **69.8360, 73.4729, 80.0120**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5848, 37.2894, 42.0516** is the 20% darker color. If you saturate the color by 10%, you get **68.8464, 58.5803, 66.2923**, and if you desaturate by 10%, it is **85.6348, 84.9663, 94.0569**.

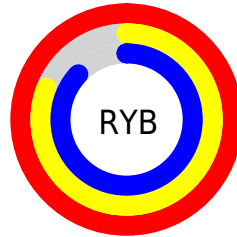
# Distribution



Red (100%)

Green (81%)

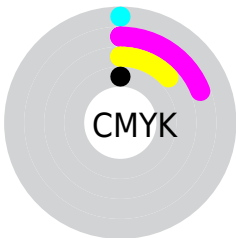
Blue (87%)



Red (100%)

Yellow (81%)

Blue (87%)

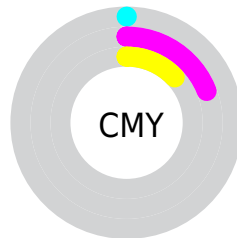


Cyan (0%)

Magenta (19%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (19%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6306, 70.7303, 79.4255 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 76.6306, 70.7303, 79.4255 by changing the saturation by 10% instead.




 76.6306, 70.7303,  
79.4255

 76.6306, 70.7303,  
79.4255


472.4149,  
463.1101, 512.6502

 57.2486, 52.1221,  
58.7223


127.5935,  
120.2496, 134.3618

 41.4458, 37.1024,  
41.9711

159.9052,  
151.9296, 169.4320

 28.8568, 25.2868,  
28.7533


197.2574,  
188.7356, 210.1283

 19.1162, 16.2909,  
18.6503

240.0156,  
231.0520, 256.8693

 11.8588, 9.7302,  
11.2436

288.5451,  
279.2633, 310.0734

 6.7191, 5.2204,  
6.1147

343.2112,

 3.3318, 2.3772,

333.7538, 370.1592

2.8450

404.3794,  
394.9079, 437.5453

■ 1.3316, 0.8141,  
1.0161

■ 0.2067, 0.0000,  
0.0000

■ 76.6306, 70.7303,  
79.4255

■ 76.6306, 70.7303,  
79.4255

■ 68.8464, 58.5803,  
66.2923

■ 85.6348, 84.9663,  
94.0569

■ 62.2230, 48.4090,  
54.6036

95.0500, 100.0000,  
108.9000

■ 56.7036, 40.1128,  
44.3086

■ 52.2242, 33.5752,  
35.3514

■ 48.7142, 28.6664,  
27.6722

■ 46.0932, 25.2387,  
21.2058

■ 44.2671, 23.1167,  
15.8796

■ 43.0973, 22.0378,  
11.6031

■ 43.0204, 21.9722,  
11.3056

# Harmonies

## Analogous

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



74.8742, 70.7303, 92.9515



76.6306, 70.7303, 79.4255



75.7734, 70.7303, 66.6968

# Triad

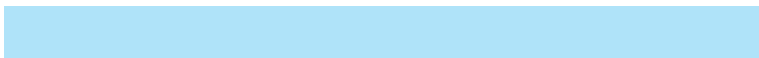
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.6306, 70.7303, 79.4255



63.5211, 70.7303, 55.8171



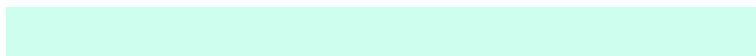
62.1409, 70.7303, 100.1218

# Complementary

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



76.6306, 70.7303, 79.4255



76.6485, 90.8160, 94.3818

# 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.



59.3487, 70.7303, 88.3422



76.6306, 70.7303, 79.4255



60.1192, 70.7303, 63.0098

# Square

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



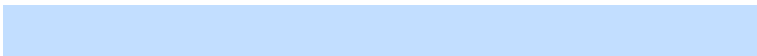
76.6306, 70.7303, 79.4255



68.0641, 70.7303, 54.0149



58.6260, 70.7303, 74.6504



66.3968, 70.7303, 105.7580



# Rectangle

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



76.6306, 70.7303, 79.4255



73.8550, 70.7303, 60.2074



58.6260, 70.7303, 74.6504



61.0080, 70.7303, 96.6873

# Sweetspot

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



76.6322, 70.7333, 79.4270



88.7944, 89.9967, 99.0833



75.3330, 69.5170, 104.0554



18.8659, 19.0402, 20.9864



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.



76.6322, 70.7333, 79.4270



73.5437, 65.8918, 74.2801



76.2650, 73.4838, 68.5605



18.2695, 18.0911, 20.0363



22.5423, 11.5062, 6.2401



2.2441, 1.1400, 0.8666



# Inverse Universe

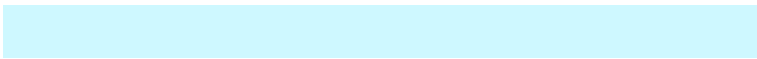
The Inverse Universe completely reimagines the original color for something new.



76.6322, 70.7333, 79.4270



73.5437, 65.8918, 74.2801



76.9654, 87.2630, 107.3947



18.2695, 18.0911, 20.0363



22.5423, 11.5062, 6.2401



2.2441, 1.1400, 0.8666



# Previews

## White Background



This preview shows how the XYZ color 76.6306, 70.7303, 79.4255 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

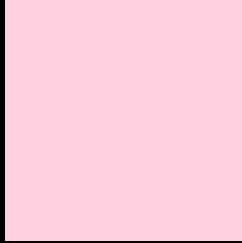
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.6306, 70.7303, 79.4255 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

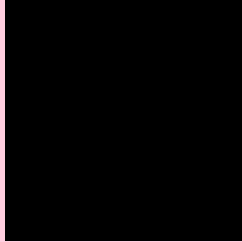
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.6306, 70.7303, 79.4255**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.6306, 70.7303, 79.4255.



This preview shows how white text looks on a background with the XYZ color 76.6306, 70.7303,

79.4255.

# 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

76.6306, 70.7303, 79.4255

### Protanopia

68.8695, 71.0716, 84.9513

### Deuteranopia

72.3249, 70.7116, 78.9440



## Tritanopia

76.4961, 70.6765, 78.7174

# Trichromacy



## Original Color

76.6306, 70.7303, 79.4255

## Protanomaly

71.5160, 70.9628, 82.6009

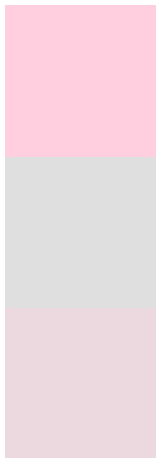
## Deuteranomaly

73.8876, 70.7796, 78.8748

## Tritanomaly

76.4961, 70.6765, 78.7174

# Monochromacy



## Original Color

76.6306, 70.7303, 79.4255

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

72.3931, 72.6156, 80.0127

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.6306, 70.7303, 79.4255 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, 206, 223)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 223)  
}
```

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, 206, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 76.6306, 70.7303, 79.4255 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, 206, 223) }
```



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

```
.border{ border-color:rgb(255, 206, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 206, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 223);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.6306, 70.7303, 79.4255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 223) }
```

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

```
.background{ background-color: rgb(255,  
206, 223) }
```

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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