

# Converting Colors

XYZ(76.0102, 69.7167, 78.5187)

Have a look what the booklet for  
XYZ(76.0102, 69.7167, 78.5187)  
contains.

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# Color

**XYZ(76.0177, 69.7197,  
78.5579)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCCDE
RGB	255, 204, 222
RGB Percent	100%, 80%, 87%
CMY	0.0000, 0.2000, 0.1294
CMYK	0.00, 0.20, 0.13, 0.00
HSL	339°, 100%, 90%
HSV	339°, 20%, 100%
XYZ	76.0177, 69.7197, 78.5579
YIQ	221.3010, 24.6180, 16.4100

# Conversions

## Conversions Part 2

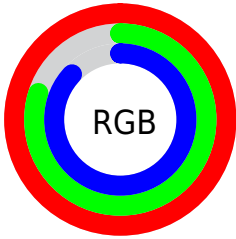
Format	Color
R <sub>Y</sub> B	255, 204, 222
Decimal	16764126
CIE Lab	86.86, 20.76, -2.04
CIE LCh	87, 20.859, 354.398
Yxy	69.7197, 0.3389, 0.3108
Android (android.graphics.Color)	4294954206 (0xFFFFCCDE)
YUV	221.3010, 0.3446, 29.5540
Hunter-Lab	83.4983, 16.3861, 2.6669

# Details

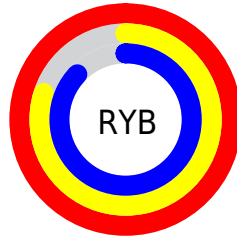
The XYZ color **76.0177, 69.7197, 78.5579** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **75.9503, 90.4729, 93.5845**, and the grayscale version is **68.9257, 72.5152, 78.9691**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.1701, 36.6085, 41.4555** is the 20% darker color. If you saturate the color by 10%, you get **68.3412, 57.7346, 65.6165**, and if you desaturate by 10%, it is **84.9062, 83.7818, 92.9731**.

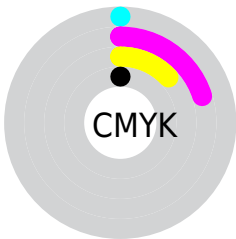
# Distribution



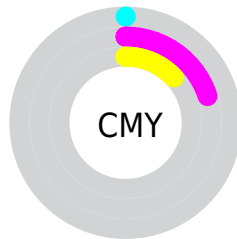
- Red (100%)
- Green (80%)
- Blue (87%)



- Red (100%)
- Yellow (80%)
- Blue (87%)



- Cyan (0%)
- Magenta (20%)
- Yellow (13%)
- Black (0%)



- Cyan (0%)
- Magenta (20%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.0177, 69.7197, 78.5579 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 76.0177, 69.7197, 78.5579 by changing the saturation by 10% instead.




 76.0177, 69.7197,  
78.5579

 76.0177, 69.7197,  
78.5579


470.3517,  
459.5652, 509.6375

 56.7441, 51.2981,  
58.0132


126.7321,  
118.8089, 133.1293

 41.0392, 36.4459,  
41.4045


158.9037,  
150.2453, 167.9931

 28.5375, 24.7787,  
28.3132


196.1054,  
186.7887, 208.4670

 18.8738, 15.9123,  
18.3208

238.7024,  
228.8236, 254.9696

 11.6826, 9.4621,  
11.0087

287.0602,  
276.7343, 307.9194

 6.5986, 5.0438,  
5.9585

341.5441,

 3.2564, 2.2730,

330.9052, 367.7350

2.7515

402.5195,  
391.7207, 434.8348

■ 1.2908, 0.7594,  
0.9692

■ 0.1763, 0.0000,  
0.0000

■ 76.0177, 69.7197,  
78.5579

■ 76.0177, 69.7197,  
78.5579

■ 68.3412, 57.7346,  
65.6165

■ 84.9062, 83.7818,  
92.9731

■ 61.8174, 47.7185,  
54.0958

95.0500, 100.0000,  
108.9000

■ 56.3892, 39.5675,  
43.9459

■ 51.9924, 33.1641,  
35.1118

■ 48.5559, 28.3775,  
27.5343

■ 45.9988, 25.0581,  
21.1490

■ 44.2257, 23.0280,  
15.8841

■ 43.0851, 21.9982,  
11.6460

■ 43.0849, 21.9980,  
11.6451

# Harmonies

## Analogous

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



74.1660, 69.7197, 92.5991



76.0177, 69.7197, 78.5579



75.1546, 69.7197, 65.3768

# Triad

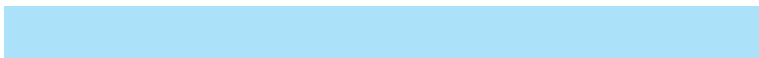
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.0177, 69.7197, 78.5579



62.4775, 69.7197, 54.0379



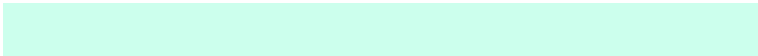
60.9693, 69.7197, 99.8422

# Complementary

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



76.0177, 69.7197, 78.5579



75.9503, 90.4729, 93.5845

# 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.



58.1083, 69.7197, 87.5242



76.0177, 69.7197, 78.5579



58.9488, 69.7197, 61.3623

# Square

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



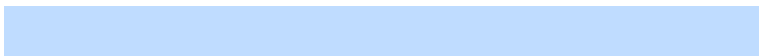
76.0177, 69.7197, 78.5579



67.1837, 69.7197, 52.2528



57.3870, 69.7197, 73.3279



65.3576, 69.7197, 105.8144



# Rectangle

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



76.0177, 69.7197, 78.5579



73.1765, 69.7197, 58.6717



57.3870, 69.7197, 73.3279



59.8058, 69.7197, 96.2386

# Sweetspot

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



76.0193, 69.7226, 78.5593



88.8084, 90.0023, 99.1571



74.3368, 68.2933, 103.8717



18.8692, 19.0415, 21.0039



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.



76.0193, 69.7226, 78.5593



72.8041, 64.6813, 73.2052



75.3857, 72.1118, 67.0763



18.2741, 18.0929, 20.0605



22.5767, 11.5200, 6.4213



2.2478, 1.1415, 0.8863



# Inverse Universe

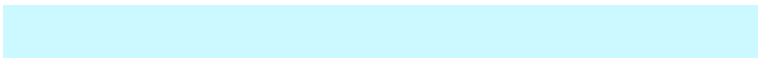
The Inverse Universe completely reimagines the original color for something new.



76.0193, 69.7226, 78.5593



72.8041, 64.6813, 73.2052



76.5827, 87.3166, 107.4252



18.2741, 18.0929, 20.0605



22.5767, 11.5200, 6.4213



2.2478, 1.1415, 0.8863



# Previews

## White Background



This preview shows how the XYZ color 76.0177, 69.7197, 78.5579 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

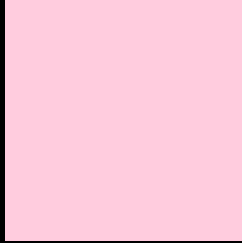
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.0177, 69.7197, 78.5579 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

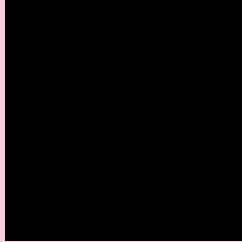
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 76.0177, 69.7197, 78.5579**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.0177, 69.7197, 78.5579.



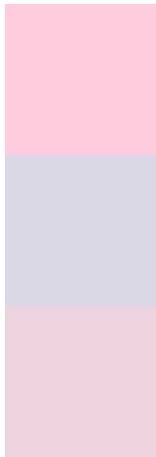
This preview shows how white text looks on a background with the XYZ color 76.0177, 69.7197,



# 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

76.0177, 69.7197, 78.5579

### Protanopia

67.6122, 69.6743, 84.0137

### Deuteranopia

71.2705, 69.8135, 78.1256



## Tritanopia

75.7511, 69.6130, 77.1543

# Trichromacy



## Original Color

76.0177, 69.7197, 78.5579

## Protanomaly

70.2259, 69.5669, 81.6780

## Deuteranomaly

72.9152, 69.5653, 77.9910

## Tritanomaly

75.8840, 69.6662, 77.8540

# Monochromacy



## Original Color

76.0177, 69.7197, 78.5579

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

70.9559, 71.1450, 78.3992

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.0177, 69.7197, 78.5579 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, 204, 222) looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 222)  
}
```

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, 204, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 76.0177, 69.7197, 78.5579 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, 204, 222) }
```



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

```
.border{ border-color:rgb(255, 204, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 204, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.0177, 69.7197, 78.5579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 222) }
```

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

```
.background{ background-color: rgb(255,  
204, 222) }
```

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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