

# Converting Colors

XYZ(72.2855, 59.0606, 76.8162)

Have a look what the booklet for  
XYZ(72.2855, 59.0606, 76.8162)  
contains.

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# Color

**XYZ(70.1470, 57.9782,  
76.6010)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB1DE
RGB	255, 177, 222
RGB Percent	100%, 69%, 87%
CMY	0.0000, 0.3059, 0.1294
CMYK	0.00, 0.31, 0.13, 0.00
HSL	325°, 100%, 85%
HSV	325°, 31%, 100%
XYZ	70.1470, 57.9782, 76.6010
YIQ	205.4520, 32.0430, 30.5310

# Conversions

## Conversions Part 2

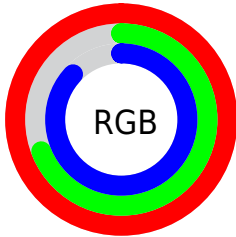
Format	Color
R <sub>Y</sub> B	255, 177, 222
Decimal	16757214
CIE Lab	80.73, 34.92, -11.11
CIE LCh	81, 36.648, 342.357
Yxy	57.9782, 0.3426, 0.2832
Android (android.graphics.Color)	4294947294 (0xFFFFB1DE)
YUV	205.4520, 8.1582, 43.4536
Hunter-Lab	76.1434, 31.1919, -6.3459

# Details

The XYZ color **70.1470, 57.9782, 76.6010** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **65.5263, 85.5212, 74.0296**, and the grayscale version is **58.2527, 61.2864, 66.7409**.

A 20% lighter version of the original color is **88.4289, 86.7578, 106.6930**, and **37.0840, 28.8263, 40.1687** is the 20% darker color. If you saturate the color by 10%, you get **64.1727, 48.2702, 67.7024**, and if you desaturate by 10%, it is **77.1574, 69.6101, 86.3031**.

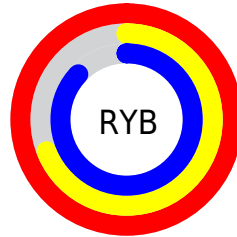
# Distribution



Red (100%)

Green (69%)

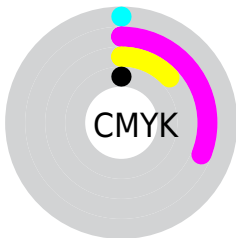
Blue (87%)



Red (100%)

Yellow (69%)

Blue (87%)

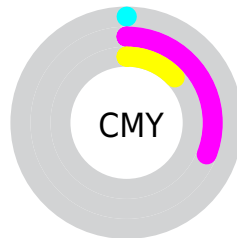


Cyan (0%)

Magenta (31%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (31%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1470, 57.9782, 76.6010 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 70.1470, 57.9782, 76.6010 by changing the saturation by 10% instead.



70.1470, 57.9782,  
76.6010

70.1470, 57.9782,  
76.6010

450.3243,  
417.1047, 502.8040

51.9264, 41.7911,  
56.4159

118.4435,  
101.8911, 130.3440

37.1705, 28.9378,  
40.1302

149.2501,  
130.3857, 164.7389

25.5138, 19.0338,  
27.3255

184.9828,  
163.7517, 204.7074

16.5910, 11.6947,  
17.5833

226.0068,  
202.3733, 250.6682

10.0368, 6.5361,  
10.4849

272.6877,  
246.6350, 303.0397

5.4858, 3.1737,  
5.6118


325.3906,


2.5727, 1.2231,


296.9212, 362.2405


2.5456


384.4811,  
353.6163, 428.6891


 0.9321, 0.0804,  
0.8642


 0.0000, 0.0000,  
0.0000


 70.1470, 57.9782,  
76.6010


 70.1470, 57.9782,  
76.6010

 64.1727, 48.2702,  
67.7024


 77.1574, 69.6101,  
86.3031

 59.1765, 40.3732,  
59.5771

 85.2503, 83.2562,  
96.8300

 55.1002, 34.1734,  
52.1979

94.4736, 99.0098,  
108.2066

 51.8775, 29.5414,  
45.5337

95.0500, 100.0000,  
108.9000

■ 49.4327, 26.3284,  
39.5499

■ 47.6754, 24.3570,  
34.2068

■ 46.5152, 23.3701,  
29.7086

# Harmonies

## Analogous

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



65.4884, 57.9782, 99.1466



70.1470, 57.9782, 76.6010



70.5552, 57.9782, 54.6346

# Triad

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



70.1470, 57.9782, 76.6010



52.0549, 57.9782, 30.5773



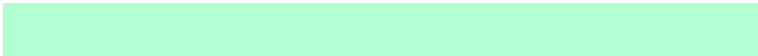
45.0506, 57.9782, 95.5242

# Complementary

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



70.1470, 57.9782, 76.6010



65.5263, 85.5212, 74.0296

# 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.



42.0955, 57.9782, 72.4598



70.1470, 57.9782, 76.6010



45.8843, 57.9782, 37.0983

# Square

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



70.1470, 57.9782, 76.6010



59.6293, 57.9782, 31.1941



42.3861, 57.9782, 51.3361



50.8185, 57.9782, 111.6733



# Rectangle

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



70.1470, 57.9782, 76.6010



68.3159, 57.9782, 43.3720



42.3861, 57.9782, 51.3361



43.7201, 57.9782, 88.1238

# Sweetspot

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



70.1483, 57.9806, 76.6022



86.6364, 85.6117, 98.5769



60.2105, 52.2955, 101.5283



18.2713, 17.8614, 20.7563



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.



70.1483, 57.9806, 76.6022



66.1999, 51.5380, 70.8033



65.5633, 56.1466, 52.4579



18.4487, 18.1628, 20.9801



24.3814, 12.2419, 15.9250



2.4286, 1.2138, 1.8383



# Inverse Universe

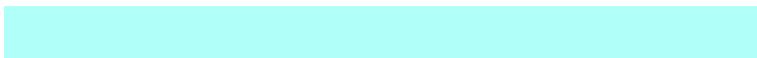
The Inverse Universe completely reimagines the original color for something new.



70.1483, 57.9806, 76.6022



66.1999, 51.5380, 70.8033



70.9139, 87.6762, 102.4002



18.4487, 18.1628, 20.9801



24.3814, 12.2419, 15.9250



2.4286, 1.2138, 1.8383



# Previews

## White Background



This preview shows how the XYZ color 70.1470, 57.9782, 76.6010 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

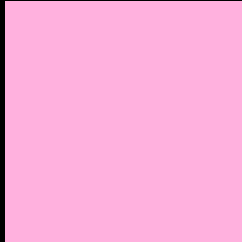
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.1470, 57.9782, 76.6010 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

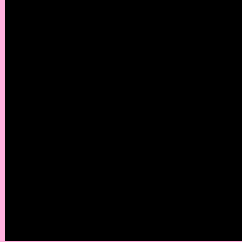
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 70.1470, 57.9782, 76.6010**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.1470, 57.9782, 76.6010.



This preview shows how white text looks on a background with the XYZ color 70.1470, 57.9782,



# 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

70.1470, 57.9782, 76.6010

### Protanopia

57.5561, 58.2404, 87.5649

### Deuteranopia

59.4527, 58.1417, 75.1068



## Tritanopia

66.8366, 58.1369, 59.9234

# Trichromacy



## Original Color

70.1470, 57.9782, 76.6010



## Protanomaly

61.3735, 57.6301, 83.4903



## Deuteranomaly

62.8964, 57.6277, 75.5184



## Tritanomaly

67.8487, 57.9329, 65.3638

# Monochromacy



## Original Color

70.1470, 57.9782, 76.6010



## Achromatopsia

58.0276, 61.0496, 66.4830



## Achromatomaly

61.7044, 59.4213, 69.8453

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.1470, 57.9782, 76.6010 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, 177, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 177, 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, 177, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 177, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 70.1470, 57.9782, 76.6010 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, 177, 222) }
```



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

```
.border{ border-color:rgb(255, 177, 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, 177, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 177, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 177, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 177,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.1470, 57.9782, 76.6010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 177, 222) }
```

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

```
.background{ background-color: rgb(255,  
177, 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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