

# Converting Colors

XYZ(93.8674, 74.3505, 74.7848)

Have a look what the booklet for  
XYZ(93.8674, 74.3505, 74.7848)  
contains.

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# Color

**XYZ(72.1778, 63.0967,  
74.0203)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBED9
RGB	255, 190, 217
RGB Percent	100%, 75%, 85%
CMY	0.0000, 0.2549, 0.1490
CMYK	0.00, 0.25, 0.15, 0.00
HSL	335°, 100%, 87%
HSV	335°, 25%, 100%
XYZ	72.1778, 63.0967, 74.0203
YIQ	212.5130, 30.0730, 22.1770

# Conversions

## Conversions Part 2

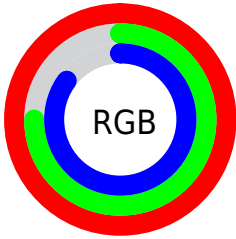
Format	Color
R <sub>Y</sub> B	255, 190, 217
Decimal	16760537
CIE Lab	83.49, 27.32, -4.32
CIE LCh	83, 27.657, 351.020
Yxy	63.0967, 0.3449, 0.3015
Android (android.graphics.Color)	4294950617 (0xFFFFBED9)
YUV	212.5130, 2.2121, 37.2611
Hunter-Lab	79.4334, 23.1869, 0.3538

# Details

The XYZ color **72.1778, 63.0967, 74.0203** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **71.0011, 88.0697, 86.6595**, and the grayscale version is **62.8938, 66.1692, 72.0583**.

A 20% lighter version of the original color is **92.5508, 95.0015, 108.0669**, and **38.3517, 32.0873, 38.3545** is the 20% darker color. If you saturate the color by 10%, you get **65.2779, 52.2611, 62.5815**, and if you desaturate by 10%, it is **80.2222, 75.9402, 86.7066**.

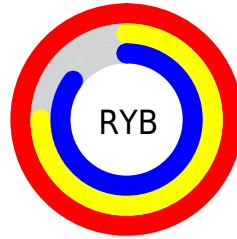
# Distribution



Red (100%)

Green (75%)

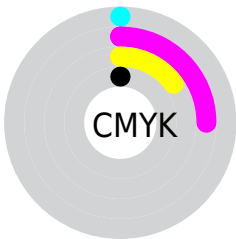
Blue (85%)



Red (100%)

Yellow (75%)

Blue (85%)

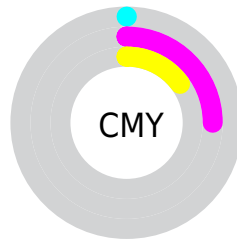


Cyan (0%)

Magenta (25%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (25%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1778, 63.0967, 74.0203 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 72.1778, 63.0967, 74.0203 by changing the saturation by 10% instead.





 72.1778, 63.0967,  
74.0203

 72.1778, 63.0967,  
74.0203


457.3083,  
435.9203, 493.7087

 53.5899, 45.9194,  
54.3138


 121.3187,  
109.3090, 126.6589

 38.5033, 32.1823,  
38.4577

152.6025,  
139.1128, 160.4280

 26.5525, 21.5007,  
26.0335


188.8489,  
173.8943, 199.7218

 17.3723, 13.4905,  
16.6227

230.4233,  
214.0379, 244.9587

 10.5972, 7.7672,  
9.8068

277.6911,  
259.9278, 296.5573

 5.8620, 3.9463,  
5.1671

331.0176,

 2.8012, 1.6436,

311.9487, 354.9361

2.2852

390.7682,  
370.4847, 420.5138

■ 1.0495, 0.3867,  
0.7229

■ 0.0000, 0.0000,  
0.0000

■ 72.1778, 63.0967,  
74.0203

■ 72.1778, 63.0967,  
74.0203

■ 65.2779, 52.2611,  
62.5815

■ 80.2222, 75.9402,  
86.7066

■ 59.4629, 43.3228,  
52.3451

■ 89.4577, 90.8785,  
100.6753

■ 54.6746, 36.1727,  
43.2688

95.0500, 100.0000,  
108.9000

■ 50.8474, 30.6873,  
35.3059

■ 47.9072, 26.7273,  
28.4057

■ 45.7684, 24.1302,  
22.5122

■ 44.3260, 22.6953,  
17.5613

■ 43.8370, 22.2988,  
15.6057

# Harmonies

## Analogous

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



69.4509, 63.0967, 91.7968



72.1778, 63.0967, 74.0203



71.4675, 63.0967, 57.4584

# Triad

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



72.1778, 63.0967, 74.0203



55.9052, 63.0967, 42.1169



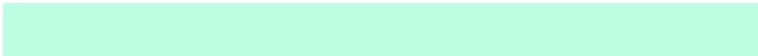
52.9647, 63.0967, 97.9061

# Complementary

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



72.1778, 63.0967, 74.0203



71.0011, 88.0697, 86.6595

# 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.



49.7796, 63.0967, 81.3233



72.1778, 63.0967, 74.0203



51.3965, 63.0967, 49.8465

# Square

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



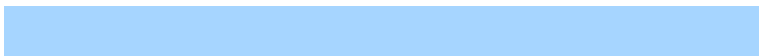
72.1778, 63.0967, 74.0203



61.8010, 63.0967, 40.8285



49.2254, 63.0967, 63.6439



58.1785, 63.0967, 107.0288



# Rectangle

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



72.1778, 63.0967, 74.0203



69.1586, 63.0967, 49.1186



49.2254, 63.0967, 63.6439



51.6363, 63.0967, 92.9002

# Sweetspot

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



72.1794, 63.0994, 74.0216



87.0226, 86.9233, 97.0432



68.4341, 60.5304, 102.6844



18.3223, 18.1122, 20.3142



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.



72.1794, 63.0994, 74.0216



68.2373, 56.8838, 67.5641



70.1448, 64.1978, 57.4132



18.3223, 18.1122, 20.3142



22.9760, 11.6797, 8.5239



2.2900, 1.1584, 1.1084



# Inverse Universe

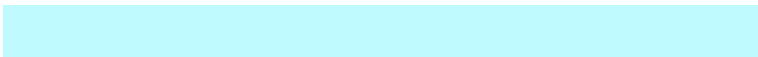
The Inverse Universe completely reimagines the original color for something new.



72.1794, 63.0994, 74.0216



68.2373, 56.8838, 67.5641



73.3432, 86.2808, 107.3960



18.3223, 18.1122, 20.3142



22.9760, 11.6797, 8.5239



2.2900, 1.1584, 1.1084



# Previews

## White Background



This preview shows how the XYZ color 72.1778, 63.0967, 74.0203 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

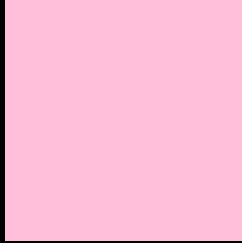
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.1778, 63.0967, 74.0203 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

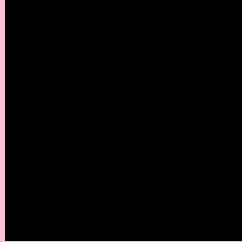
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 72.1778, 63.0967, 74.0203**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.1778, 63.0967, 74.0203.



This preview shows how white text looks on a background with the XYZ color 72.1778, 63.0967,



# 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

72.1778, 63.0967, 74.0203

### Protanopia

61.9101, 63.4371, 81.6546

### Deuteranopia

64.7503, 63.3161, 73.0985



## Tritanopia

70.9852, 63.2751, 67.5035

# Trichromacy



## Original Color

72.1778, 63.0967, 74.0203



## Protanomaly

64.9464, 62.9483, 78.5392



## Deuteranomaly

67.5138, 63.3506, 73.6353



## Tritanomaly

71.2617, 63.0356, 70.0392

# Monochromacy



## Original Color

72.1778, 63.0967, 74.0203



## Achromatopsia

63.2451, 66.5387, 72.4607



## Achromatomaly

65.9638, 65.0117, 72.6902

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.1778, 63.0967, 74.0203 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, 190, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 217)  
}
```

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, 190, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 72.1778, 63.0967, 74.0203 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, 190, 217) }
```



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

```
.border{ border-color:rgb(255, 190, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 190, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.1778, 63.0967, 74.0203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 190, 217) }
```

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

```
.background{ background-color: rgb(255,  
190, 217) }
```

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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