

# Converting Colors

XYZ(90.0923, 72.8718, 80.2830)

Have a look what the booklet for  
XYZ(90.0923, 72.8718, 80.2830)  
contains.

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# Color

**XYZ(73.6802, 64.3955,  
79.7804)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFC0E1
RGB	255, 192, 225
RGB Percent	100%, 75%, 88%
CMY	0.0000, 0.2470, 0.1176
CMYK	0.00, 0.25, 0.12, 0.00
HSL	329°, 100%, 88%
HSV	329°, 25%, 100%
XYZ	73.6802, 64.3955, 79.7804
YIQ	214.5990, 26.9550, 23.6190

# Conversions

## Conversions Part 2

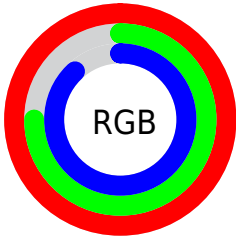
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 192, 225
Decimal	16761057
CIE Lab	84.17, 27.54, -7.60
CIE LCh	84, 28.567, 344.579
Yxy	64.3955, 0.3382, 0.2956
Android (android.graphics.Color)	4294951137 (0xFFFFC0E1)
YUV	214.5990, 5.1277, 35.4317
Hunter-Lab	80.2468, 23.4614, -2.7726

# Details

The XYZ color **73.6802, 64.3955, 79.7804** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **70.6852, 88.0014, 82.3711**, and the grayscale version is **64.2753, 67.6227, 73.6411**.

A 20% lighter version of the original color is **93.1657, 96.2314, 108.2719**, and **39.6329, 33.0850, 42.3274** is the 20% darker color. If you saturate the color by 10%, you get **66.9606, 53.5137, 69.6561**, and if you desaturate by 10%, it is **81.4907, 77.2699, 90.8513**.

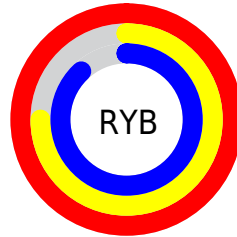
# Distribution



Red (100%)

Green (75%)

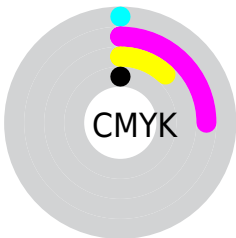
Blue (88%)



Red (100%)

Yellow (75%)

Blue (88%)

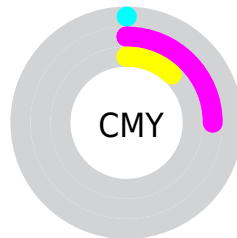


Cyan (0%)

Magenta (25%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (25%)


Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.6802, 64.3955, 79.7804 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 73.6802, 64.3955, 79.7804 by changing the saturation by 10% instead.





 73.6802, 64.3955,  
79.7804

 73.6802, 64.3955,  
79.7804


462.4363,  
440.6165, 513.8797

 54.8227, 46.9711,  
59.0126


 123.4403,  
111.1803, 134.8655

 39.4931, 33.0128,  
42.2032

155.0736,  
141.3095, 170.0199

 27.3260, 22.1362,  
28.9336


191.6962,  
176.4424, 210.8069

 17.9560, 13.9570,  
18.7855

233.6735,  
216.9634, 257.6450

 11.0179, 8.0908,  
11.3401

281.3708,  
263.2570, 310.9528

 6.1463, 4.1531,  
6.1791

335.1534,

 2.9757, 1.7596,

315.7074, 371.1489

2.8837

395.3868,  
374.6991, 438.6516

■ 1.1409, 0.4618,  
1.0356

■ 0.0590, 0.0000,  
0.0000

■ 73.6802, 64.3955,  
79.7804

■ 73.6802, 64.3955,  
79.7804

■ 66.9606, 53.5137,  
69.6561

■ 81.4907, 77.2699,  
90.8513

■ 61.2748, 44.5151,  
60.4450

■ 90.4363, 92.2224,  
102.8927

■ 56.5674, 37.2927,  
52.1170

95.0500, 100.0000,  
108.9000

■ 52.7755, 31.7249,  
44.6382

■ 49.8286, 27.6747,  
37.9720

■ 47.6447, 24.9830,  
32.0771

■ 46.1239, 23.4543,  
26.9058

■ 45.5128, 22.9691,  
24.4302

# Harmonies

## Analogous

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



70.1352, 64.3955, 97.9327



73.6802, 64.3955, 79.7804



73.7325, 64.3955, 61.7174

# Triad

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



73.6802, 64.3955, 79.7804



58.1986, 64.3955, 41.5457



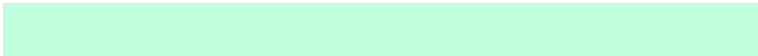
52.9541, 64.3955, 97.4817

# Complementary

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



73.6802, 64.3955, 79.7804



70.6852, 88.0014, 82.3711

# 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.



50.1852, 64.3955, 79.2434



73.6802, 64.3955, 79.7804



53.0687, 64.3955, 48.1384

# Square

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



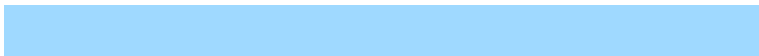
73.6802, 64.3955, 79.7804



64.4936, 64.3955, 41.6391



50.2257, 64.3955, 61.2649



58.0320, 64.3955, 109.2886



# Rectangle

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



73.6802, 64.3955, 79.7804



71.7634, 64.3955, 52.1649



50.2257, 64.3955, 61.2649



51.7384, 64.3955, 91.7741

# Sweetspot

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



73.6817, 64.3982, 79.7817



88.2790, 88.5998, 100.0400



66.8427, 60.3574, 102.7349



18.7762, 18.7642, 21.2541



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.



73.6817, 64.3982, 79.7817



69.9896, 58.3920, 74.3030



69.8405, 62.8617, 59.5538



18.4068, 18.1460, 20.7596



23.8575, 12.0323, 13.1658



2.3782, 1.1936, 1.5728



# Inverse Universe

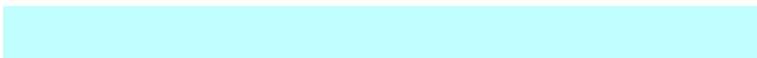
The Inverse Universe completely reimagines the original color for something new.



73.6817, 64.3982, 79.7817



69.9896, 58.3920, 74.3030



75.2135, 89.8127, 106.2166



18.4068, 18.1460, 20.7596



23.8575, 12.0323, 13.1658



2.3782, 1.1936, 1.5728



# Previews

## White Background



This preview shows how the XYZ color 73.6802, 64.3955, 79.7804 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

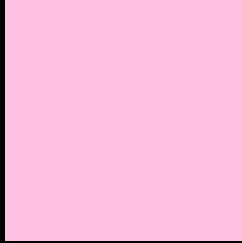
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.6802, 64.3955, 79.7804 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

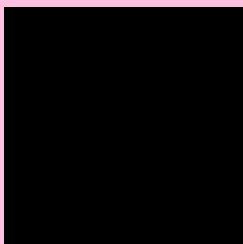
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 73.6802, 64.3955, 79.7804**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.6802, 64.3955, 79.7804.



This preview shows how white text looks on a background with the XYZ color 73.6802, 64.3955,

79.7804.

# 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

73.6802, 64.3955, 79.7804

### Protanopia

63.5280, 64.8645, 87.7691

### Deuteranopia

65.9635, 64.5210, 78.7892



## Tritanopia

71.6560, 64.5660, 69.6586

# Trichromacy



## Original Color

73.6802, 64.3955, 79.7804



## Protanomaly

66.5202, 64.3287, 84.5120



## Deuteranomaly

68.7009, 64.5232, 79.3543



## Tritanomaly

72.4306, 64.5607, 72.9339

# Monochromacy



## Original Color

73.6802, 64.3955, 79.7804



## Achromatopsia

64.5905, 67.9542, 74.0022



## Achromatomaly

67.7321, 66.5631, 76.2959

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.6802, 64.3955, 79.7804 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, 192, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 192, 225)  
}
```

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, 192, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 192, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 73.6802, 64.3955, 79.7804 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, 192, 225) }
```



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

```
.border{ border-color:rgb(255, 192, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 192, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 192, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 192, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 192,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.6802, 64.3955, 79.7804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 192, 225) }
```

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

```
.background{ background-color: rgb(255,  
192, 225) }
```

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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