

# Converting Colors

XYZ(74.6475, 66.8550, 78.4843)

Have a look what the booklet for  
XYZ(74.6475, 66.8550, 78.4843)  
contains.

<b>XYZ(74.7534, 66.9759, 78.7997)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(74.7534, 66.9759,  
78.7997)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC6DF
RGB	255, 198, 223
RGB Percent	100%, 78%, 87%
CMY	0.0000, 0.2235, 0.1255
CMYK	0.00, 0.22, 0.13, 0.00
HSL	334°, 100%, 89%
HSV	334°, 22%, 100%
XYZ	74.7534, 66.9759, 78.7997
YIQ	217.8930, 25.9470, 19.8590

# Conversions

## Conversions Part 2

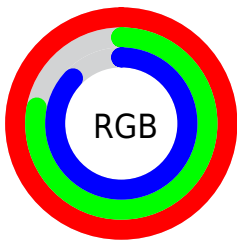
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 198, 223
Decimal	16762591
CIE Lab	85.49, 24.07, -4.58
CIE LCh	85, 24.498, 349.230
Yxy	66.9759, 0.3390, 0.3037
Android (android.graphics.Color)	4294952671 (0xFFFFC6DF)
YUV	217.8930, 2.5178, 32.5428
Hunter-Lab	81.8388, 19.8280, 0.1989

# Details

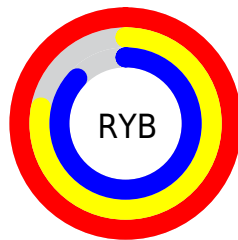
The XYZ color **74.7534, 66.9759, 78.7997** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **73.3339, 89.2400, 88.2264**, and the grayscale version is **66.5389, 70.0041, 76.2345**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.3298, 34.7794, 41.6333** is the 20% darker color. If you saturate the color by 10%, you get **67.5586, 55.5459, 67.2777**, and if you desaturate by 10%, it is **83.0957, 80.4392, 91.5113**.

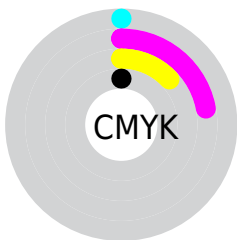
# Distribution



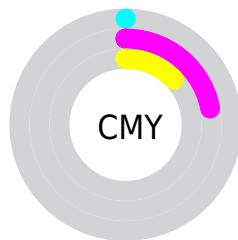
- Red (100%)
- Green (78%)
- Blue (87%)



- Red (100%)
- Yellow (78%)
- Blue (87%)



- Cyan (0%)
- Magenta (22%)
- Yellow (13%)
- Black (0%)



- Cyan (0%)
- Magenta (22%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.7534, 66.9759, 78.7997 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 74.7534, 66.9759, 78.7997 by changing the saturation by 10% instead.




 74.7534, 66.9759,  
78.7997

 74.7534, 66.9759,  
78.7997


466.0798,  
449.8590, 510.4782

 55.7044, 49.0650,  
58.2108


124.9530,  
114.8859, 133.4729

 40.2020, 34.6711,  
41.5623


156.8343,  
145.6538, 168.3944

 27.8810, 23.4096,  
28.4357


193.7237,  
181.4762, 208.9304

 18.3760, 14.8963,  
18.4125

235.9865,  
222.7374, 255.4995

 11.3216, 8.7466,  
11.0740

283.9882,  
269.8219, 308.5203

 6.3524, 4.5763,  
6.0019

338.0941,

 3.1032, 2.0009,

323.1141, 368.4114

2.7774

398.6695,  
382.9983, 435.5911

■ 1.2086, 0.6080,  
0.9821

■ 0.1131, 0.0000,  
0.0000

■ 74.7534, 66.9759,  
78.7997

■ 74.7534, 66.9759,  
78.7997

■ 67.5586, 55.5459,  
67.2777

■ 83.0957, 80.4392,  
91.5113

■ 61.4536, 46.0409,  
56.9036

■ 92.6304, 96.0202,  
105.4439

■ 56.3824, 38.3554,  
47.6389

95.0500, 100.0000,  
108.9000

■ 52.2820, 32.3703,  
39.4412

■ 49.0818, 27.9519,  
32.2646

■ 46.7012, 24.9463,  
26.0585

■ 45.0432, 23.1677,  
20.7658

■ 44.1553, 22.4261,  
17.2818

# Harmonies

## Analogous

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



72.1064, 66.9759, 94.8107



74.7534, 66.9759, 78.7997



74.2998, 66.9759, 63.2954

# Triad

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



74.7534, 66.9759, 78.7997



60.2007, 66.9759, 47.6602



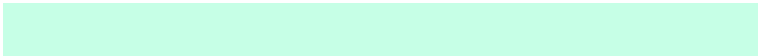
56.9271, 66.9759, 98.6680

# Complementary

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



74.7534, 66.9759, 78.7997



73.3339, 89.2400, 88.2264

# 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.



54.0852, 66.9759, 83.4857



74.7534, 66.9759, 78.7997



55.8978, 66.9759, 54.6971

# Square

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



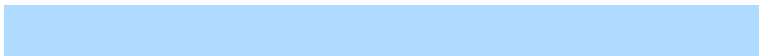
74.7534, 66.9759, 78.7997



65.6780, 66.9759, 46.7848



53.7197, 66.9759, 67.3505



61.6810, 66.9759, 107.3424



# Rectangle

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



74.7534, 66.9759, 78.7997



72.3073, 66.9759, 55.2192



53.7197, 66.9759, 67.3505



55.7286, 66.9759, 94.0618

# Sweetspot

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



74.7549, 66.9787, 78.8011



88.0457, 88.5065, 98.8118



70.6712, 64.3270, 103.2993



18.7222, 18.7426, 20.9697



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.



74.7549, 66.9787, 78.8011



71.2698, 61.4168, 73.2980



72.2868, 67.0436, 62.5605



18.3403, 18.1194, 20.4090



23.1441, 11.7469, 9.4093



2.3072, 1.1653, 1.1993



# Inverse Universe

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



74.7549, 66.9787, 78.8011



71.2698, 61.4168, 73.2980



76.1979, 88.9418, 107.7592



18.3403, 18.1194, 20.4090



23.1441, 11.7469, 9.4093



2.3072, 1.1653, 1.1993



# Previews

## White Background



This preview shows how the XYZ color 74.7534, 66.9759, 78.7997 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

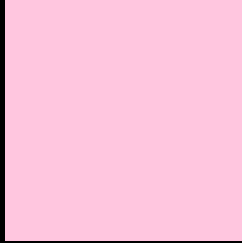
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.7534, 66.9759, 78.7997 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 74.7534, 66.9759, 78.7997**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.7534, 66.9759, 78.7997.



This preview shows how white text looks on a background with the XYZ color 74.7534, 66.9759,



# 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

74.7534, 66.9759, 78.7997

### Protanopia

65.8003, 67.5608, 85.9164

### Deuteranopia

68.3190, 66.8350, 77.7063



## Tritanopia

73.5622, 66.8240, 73.3111

# Trichromacy



## Original Color

74.7534, 66.9759, 78.7997

## Protanomaly

68.6936, 67.2629, 83.4912

## Deuteranomaly

70.7129, 66.9849, 78.3097

## Tritanomaly

73.9514, 66.9796, 75.3604

# Monochromacy



## Original Color

74.7534, 66.9759, 78.7997

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

69.1675, 68.7448, 77.3337

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.7534, 66.9759, 78.7997 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, 198, 223)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 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, 198, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 74.7534, 66.9759, 78.7997 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, 198, 223) }
```



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

```
.border{ border-color:rgb(255, 198, 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, 198, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 223);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.7534, 66.9759, 78.7997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 198, 223) }
```

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

```
.background{ background-color: rgb(255,  
198, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor