

# Converting Colors

XYZ(73.1521, 63.7876, 78.2217)

Have a look what the booklet for  
XYZ(73.1521, 63.7876, 78.2217)  
contains.

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# Color

**XYZ(73.1901, 63.8493,  
78.2787)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBFD
RGB	255, 191, 223
RGB Percent	100%, 75%, 87%
CMY	0.0000, 0.2510, 0.1255
CMYK	0.00, 0.25, 0.13, 0.00
HSL	330°, 100%, 87%
HSV	330°, 25%, 100%
XYZ	73.1901, 63.8493, 78.2787
YIQ	213.7840, 27.8720, 23.5200

# Conversions

## Conversions Part 2

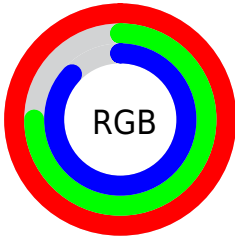
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 191, 223
Decimal	16760799
CIE Lab	83.89, 27.74, -6.95
CIE LCh	84, 28.599, 345.941
Yxy	63.8493, 0.3399, 0.2965
Android (android.graphics.Color)	4294950879 (0xFFFFBFDf)
YUV	213.7840, 4.5435, 36.1464
Hunter-Lab	79.9058, 23.6629, -2.1487

# Details

The XYZ color **73.1901, 63.8493, 78.2787** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **70.5673, 87.9251, 83.0673**, and the grayscale version is **63.7300, 67.0489, 73.0163**.

A 20% lighter version of the original color is **92.8574, 95.6148, 108.1691**, and **39.3022, 32.7242, 41.2907** is the 20% darker color. If you saturate the color by 10%, you get **66.4507, 53.0188, 67.8679**, and if you desaturate by 10%, it is **81.0300, 76.6731, 89.6967**.

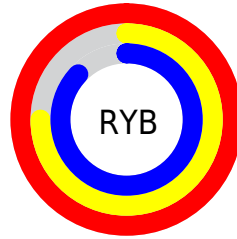
# Distribution



Red (100%)

Green (75%)

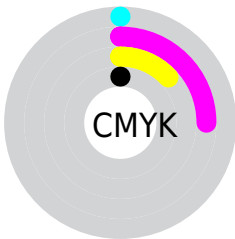
Blue (87%)



Red (100%)

Yellow (75%)

Blue (87%)

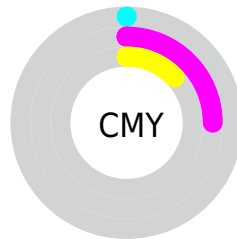


Cyan (0%)

Magenta (25%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (25%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.1901, 63.8493, 78.2787 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 73.1901, 63.8493, 78.2787 by changing the saturation by 10% instead.





 73.1901, 63.8493,  
78.2787

 73.1901, 63.8493,  
78.2787


460.7670,  
438.6452, 508.6658

 54.4203, 46.5286,  
57.7851


 122.7487,  
110.3939, 132.7324

 39.1698, 32.6632,  
41.2224

154.2683,  
140.3866, 167.5296

 27.0732, 21.8685,  
28.1719


190.7685,  
175.3721, 207.9317

 17.7651, 13.7603,  
18.2151

232.6148,  
215.7347, 254.3574

 10.8801, 7.9542,  
10.9335

280.1724,  
261.8590, 307.2251

 6.0530, 4.0656,  
5.9085

333.8067,

 2.9183, 1.7103,

314.1292, 366.9533

2.7216

393.8832,  
372.9298, 433.9607

■ 1.1107, 0.4303,  
0.9543

■ 0.0340, 0.0000,  
0.0000

■ 73.1901, 63.8493,  
78.2787

■ 73.1901, 63.8493,  
78.2787

■ 66.4507, 53.0188,  
67.8679

■ 81.0300, 76.6731,  
89.6967

■ 60.7544, 44.0721,  
58.4288

■ 90.0153, 91.5764,  
102.1480

■ 56.0451, 36.9013,  
49.9291

95.0500, 100.0000,  
108.9000

■ 52.2591, 31.3843,  
42.3324

■ 49.3252, 27.3831,  
35.5996

■ 47.1604, 24.7374,  
29.6866

■ 45.6631, 23.2495,  
24.5426

■ 45.1030, 22.8052,  
22.2723

# Harmonies

## Analogous

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



69.7988, 63.8493, 96.4944



73.1901, 63.8493, 78.2787



73.0737, 63.8493, 60.4362

# Triad

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



73.1901, 63.8493, 78.2787



57.4257, 63.8493, 41.2529



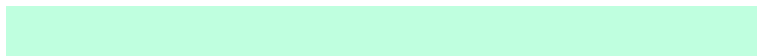
52.6595, 63.8493, 97.4984

# Complementary

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



73.1901, 63.8493, 78.2787



70.5673, 87.9251, 83.0673

# 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.



49.7854, 63.8493, 79.4735



73.1901, 63.8493, 78.2787



52.4045, 63.8493, 48.1103

# Square

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



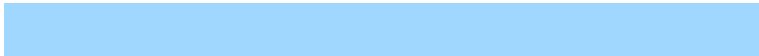
73.1901, 63.8493, 78.2787



63.6723, 63.8493, 41.0455



49.6954, 63.8493, 61.4422



57.7962, 63.8493, 108.8208



# Rectangle

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



73.1901, 63.8493, 78.2787



71.0140, 63.8493, 51.1095



49.6954, 63.8493, 61.4422



51.4128, 63.8493, 91.8955

# Sweetspot

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



73.1916, 63.8520, 78.2800



87.2848, 87.0282, 98.4235



67.1144, 60.1727, 102.6849



18.3882, 18.1386, 20.6612



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.



73.1916, 63.8520, 78.2800



69.7517, 58.2968, 73.0500



69.2767, 62.2861, 57.6648



18.3882, 18.1386, 20.6612



23.6427, 11.9464, 12.0346



2.3571, 1.1852, 1.4620



# Inverse Universe

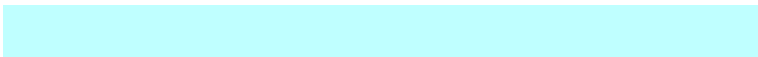
The Inverse Universe completely reimagines the original color for something new.



73.1916, 63.8520, 78.2800



69.7517, 58.2968, 73.0500



75.2974, 89.8171, 107.9756



18.3882, 18.1386, 20.6612



23.6427, 11.9464, 12.0346



2.3571, 1.1852, 1.4620



# Previews

## White Background



This preview shows how the XYZ color 73.1901, 63.8493, 78.2787 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

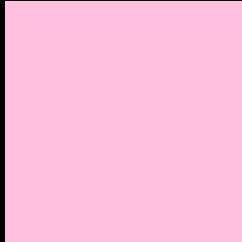
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.1901, 63.8493, 78.2787 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

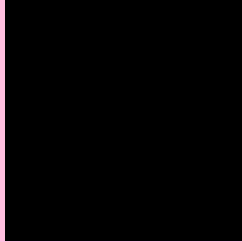
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 73.1901, 63.8493, 78.2787**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.1901, 63.8493, 78.2787.



This preview shows how white text looks on a background with the XYZ color 73.1901, 63.8493,



# 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

73.1901, 63.8493, 78.2787

### Protanopia

62.8608, 64.1741, 86.9156

### Deuteranopia

65.4584, 63.9399, 77.2982



## Tritanopia

70.9631, 63.5766, 68.2059

# Trichromacy



## Original Color

73.1901, 63.8493, 78.2787



## Protanomaly

66.1439, 63.8015, 83.6917



## Deuteranomaly

68.2003, 63.9536, 77.8570



## Tritanomaly

71.7329, 63.5742, 71.4411

# Monochromacy



## Original Color

73.1901, 63.8493, 78.2787



## Achromatopsia

63.9157, 67.2443, 73.2291



## Achromatomaly

66.9088, 65.8104, 74.8218

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.1901, 63.8493, 78.2787 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, 191, 223)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 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, 191, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 73.1901, 63.8493, 78.2787 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".

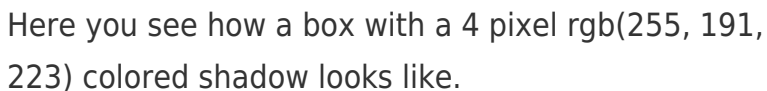
```
.border, #border, table{ border:4px solid rgb(255, 191, 223) }
```



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

```
.border{ border-color:rgb(255, 191, 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, 191, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 223);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.1901, 63.8493, 78.2787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 191, 223) }
```

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

```
.background{ background-color: rgb(255,  
191, 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](#).

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