

# Converting Colors

XYZ(73.5633, 62.9287, 83.5425)

Have a look what the booklet for  
XYZ(73.5633, 62.9287, 83.5425)  
contains.

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# Color

**XYZ(73.6470, 62.9960,  
83.8791)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBCE7
RGB	255, 188, 231
RGB Percent	100%, 74%, 91%
CMY	0.0000, 0.2627, 0.0941
CMYK	0.00, 0.26, 0.09, 0.00
HSL	321°, 100%, 87%
HSV	321°, 26%, 100%
XYZ	73.6470, 62.9960, 83.8791
YIQ	212.9350, 26.1290, 27.5770

# Conversions

## Conversions Part 2

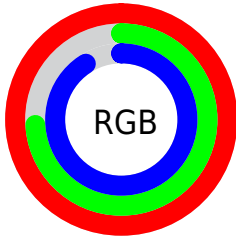
Format	Color
R <sub>Y</sub> B	255, 188, 231
Decimal	16760039
CIE Lab	83.44, 30.62, -11.89
CIE LCh	83, 32.849, 338.774
Yxy	62.9960, 0.3340, 0.2857
Android (android.graphics.Color)	4294950119 (0xFFFFBCE7)
YUV	212.9350, 8.9060, 36.8910
Hunter-Lab	79.3700, 26.7316, -7.0993

# Details

The XYZ color **73.6470, 62.9960, 83.8791** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **68.3848, 86.9659, 75.4725**, and the grayscale version is **63.1340, 66.4218, 72.3334**.

A 20% lighter version of the original color is **91.9424, 93.7848, 107.8641**, and **39.5517, 32.1511, 44.6786** is the 20% darker color. If you saturate the color by 10%, you get **67.4166, 52.5461, 75.6026**, and if you desaturate by 10%, it is **80.9101, 75.4029, 92.8337**.

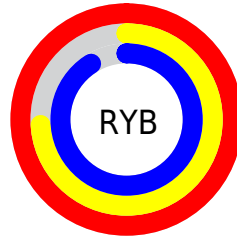
# Distribution



Red (100%)

Green (74%)

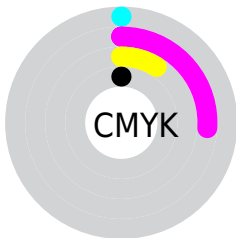
Blue (91%)



Red (100%)

Yellow (74%)

Blue (91%)

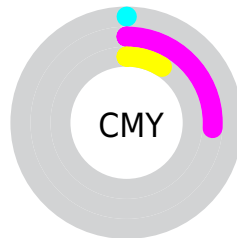


Cyan (0%)

Magenta (26%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (26%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.6470, 62.9960, 83.8791 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 73.6470, 62.9960, 83.8791 by changing the saturation by 10% instead.





 73.6470, 62.9960,  
83.8791

 73.6470, 62.9960,  
83.8791


462.3233,  
435.5550, 527.9592

 54.7954, 45.8380,  
62.3708


 123.3935,  
109.1637, 140.6663

 39.4712, 32.1180,  
44.8947


155.0191,  
138.9422, 176.7822

 27.3088, 21.4516,  
31.0321


191.6334,  
173.6964, 218.6045

 17.9431, 13.4545,  
20.3646

233.6018,  
213.8105, 266.5516

 11.0086, 7.7423,  
12.4737

281.2896,  
259.6690, 321.0421

 6.1399, 3.9305,  
6.9407

335.0623,

 2.9718, 1.6348,

311.6563, 382.4945

3.3472

395.2850,  
370.1569, 451.3273

■ 1.1389, 0.3809,  
1.2745

■ 0.0573, 0.0000,  
0.0408

■ 73.6470, 62.9960,  
83.8791

■ 73.6470, 62.9960,  
83.8791

■ 67.4166, 52.5461,  
75.6026

■ 80.9101, 75.4029,  
92.8337

■ 62.1627, 43.9435,  
67.9780

■ 89.2494, 89.8530,  
102.4834

■ 57.8306, 37.0800,  
60.9827

95.0500, 100.0000,  
108.9000

■ 54.3579, 31.8324,  
54.5908

■ 51.6741, 28.0616,  
48.7733

■ 49.6968, 25.6046,  
43.4972

■ 48.3236, 24.2585,  
38.7228

■ 47.9095, 23.9278,  
37.0512

# Harmonies

## Analogous

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



68.9175, 62.9960, 104.1495



73.6470, 62.9960, 83.8791



74.5377, 62.9960, 62.7519

# Triad

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



73.6470, 62.9960, 83.8791



57.8003, 62.9960, 36.5396



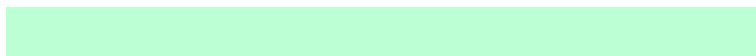
49.7716, 62.9960, 96.3638

# Complementary

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



73.6470, 62.9960, 83.8791



68.3848, 86.9659, 75.4725

# 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.



47.2749, 62.9960, 74.7835



73.6470, 62.9960, 83.8791



51.6617, 62.9960, 42.2172

# Square

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



73.6470, 62.9960, 83.8791



64.9995, 62.9960, 38.0134



47.9381, 62.9960, 55.2851



55.0287, 62.9960, 112.2982



# Rectangle

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



73.6470, 62.9960, 83.8791



72.7712, 62.9960, 51.3103



47.9381, 62.9960, 55.2851



48.6016, 62.9960, 89.3742

# Sweetspot

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



73.6485, 62.9986, 83.8804



87.7295, 87.2061, 100.7654



63.0288, 57.1051, 102.3082



18.5003, 18.1834, 21.2515



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.



73.6485, 62.9986, 83.8804



69.9562, 56.7791, 79.0577



69.4239, 61.3088, 61.6342



18.5003, 18.1834, 21.2515



25.1077, 12.5324, 19.7492



2.4969, 1.2411, 2.1978



# Inverse Universe

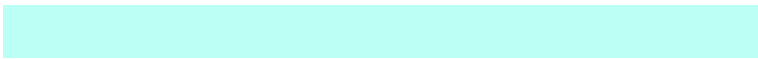
The Inverse Universe completely reimagines the original color for something new.



73.6485, 62.9986, 83.8804



69.9562, 56.7791, 79.0577



72.9745, 88.8017, 99.6412



18.5003, 18.1834, 21.2515



25.1077, 12.5324, 19.7492



2.4969, 1.2411, 2.1978



# Previews

## White Background



This preview shows how the XYZ color 73.6470, 62.9960, 83.8791 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

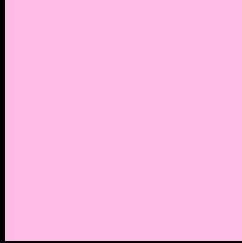
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.6470, 62.9960, 83.8791 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 73.6470, 62.9960, 83.8791**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.6470, 62.9960, 83.8791.



This preview shows how white text looks on a background with the XYZ color 73.6470, 62.9960,



# 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

73.6470, 62.9960, 83.8791

### Protanopia

62.5779, 63.5142, 93.7553

### Deuteranopia

64.5729, 63.3734, 82.2277



## Tritanopia

70.2570, 62.8997, 67.4694

# Trichromacy



## Original Color

73.6470, 62.9960, 83.8791



## Protanomaly

66.0531, 62.9127, 90.3233



## Deuteranomaly

67.6157, 63.2011, 82.7640



## Tritanomaly

71.5335, 63.1021, 73.3754

# Monochromacy



## Original Color

73.6470, 62.9960, 83.8791



## Achromatopsia

63.2451, 66.5387, 72.4607



## Achromatomaly

66.5060, 64.8470, 76.7216

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.6470, 62.9960, 83.8791 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, 188, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 188, 231)  
}
```

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, 188, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 188, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 73.6470, 62.9960, 83.8791 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, 188, 231) }
```



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

```
.border{ border-color:rgb(255, 188, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 188, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 188, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 188, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 188,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.6470, 62.9960, 83.8791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 188, 231) }
```

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

```
.background{ background-color: rgb(255,  
188, 231) }
```

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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