

# Converting Colors

XYZ(76.3545, 62.4933, 84.1117)

Have a look what the booklet for  
XYZ(76.3545, 62.4933, 84.1117)  
contains.

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# Color

**XYZ(72.5334, 60.5421,  
84.2068)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB6E8
RGB	255, 182, 232
RGB Percent	100%, 71%, 91%
CMY	0.0000, 0.2863, 0.0902
CMYK	0.00, 0.29, 0.09, 0.00
HSL	319°, 100%, 86%
HSV	319°, 29%, 100%
XYZ	72.5334, 60.5421, 84.2068
YIQ	209.5270, 27.4580, 31.0260

# Conversions

## Conversions Part 2

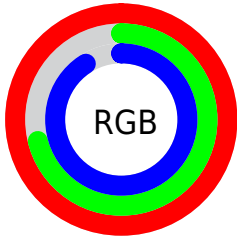
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 182, 232
Decimal	16758504
CIE Lab	82.13, 33.93, -14.39
CIE LCh	82, 36.858, 337.024
Yxy	60.5421, 0.3338, 0.2786
Android (android.graphics.Color)	4294948584 (0xFFFFB6E8)
YUV	209.5270, 11.0792, 39.8798
Hunter-Lab	77.8088, 30.2324, -9.6991

# Details

The XYZ color **72.5334, 60.5421, 84.2068** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **66.0729, 85.8738, 70.8536**, and the grayscale version is **60.8672, 64.0370, 69.7363**.

A 20% lighter version of the original color is **90.1565, 90.2130, 107.2688**, and **38.5816, 30.4432, 44.9170** is the 20% darker color. If you saturate the color by 10%, you get **66.6636, 50.5871, 76.7480**, and if you desaturate by 10%, it is **79.4091, 72.4246, 92.2599**.

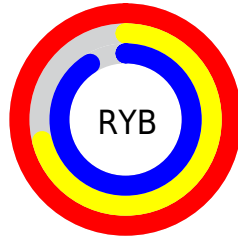
# Distribution



Red (100%)

Green (71%)

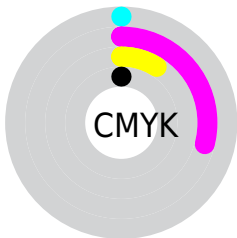
Blue (91%)



Red (100%)

Yellow (71%)

Blue (91%)

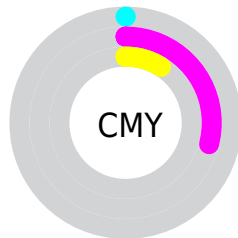


Cyan (0%)

Magenta (29%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (29%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.5334, 60.5421, 84.2068 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 72.5334, 60.5421, 84.2068 by changing the saturation by 10% instead.



72.5334, 60.5421,  
84.2068

72.5334, 60.5421,  
84.2068

458.5249,  
426.5931, 529.0757

53.8815, 43.8557,  
62.6398

121.8213,  
105.6157, 141.1287

38.7373, 30.5571,  
45.1108

153.1880,  
134.7716, 177.3207

26.7352, 20.2618,  
31.2011

189.5238,  
168.8529, 219.2249

17.5100, 12.5855,  
20.4923

231.1939,  
208.2439, 267.2596

10.6963, 7.1438,  
12.5658

278.5637,  
253.3291, 321.8435

5.9288, 3.5522,  
7.0030

331.9985,

2.8421, 1.4264,

304.4927, 383.3951

3.3855

391.8638,  
362.1192, 452.3330

■ 1.0708, 0.2360,  
1.2947

■ 0.0005, 0.0000,  
0.0574

■ 72.5334, 60.5421,  
84.2068

■ 72.5334, 60.5421,  
84.2068

■ 66.6636, 50.5871,  
76.7480

■ 79.4091, 72.4246,  
92.2599

■ 61.7430, 42.4486,  
69.8589

■ 87.3348, 86.3229,  
100.9230

■ 57.7158, 36.0156,  
63.5182

95.0500, 100.0000,  
108.9000

■ 54.5184, 31.1619,  
57.7011

■ 52.0783, 27.7439,  
52.3799

■ 50.3097, 25.5911,  
47.5222

■ 49.0907, 24.4612,  
43.0837

■ 48.9440, 24.3416,  
42.4987

# Harmonies

## Analogous

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



67.0849, 60.5421, 106.6437



72.5334, 60.5421, 84.2068



73.8015, 60.5421, 60.7909

# Triad

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



72.5334, 60.5421, 84.2068



55.7235, 60.5421, 31.7409



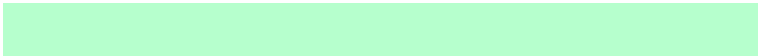
46.3499, 60.5421, 95.4127

# Complementary

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



72.5334, 60.5421, 84.2068



66.0729, 85.8738, 70.8536

# 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.



43.8678, 60.5421, 71.3299



72.5334, 60.5421, 84.2068



48.9525, 60.5421, 37.1604

# Square

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



72.5334, 60.5421, 84.2068



63.6172, 60.5421, 33.6801



44.7756, 60.5421, 50.4932



51.8691, 60.5421, 114.0698



# Rectangle

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



72.5334, 60.5421, 84.2068



72.0106, 60.5421, 48.2192



44.7756, 60.5421, 50.4932



45.1566, 60.5421, 87.4958

# Sweetspot

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



72.5348, 60.5446, 84.2080



87.0181, 85.7644, 100.5869



59.6548, 53.5022, 101.7906



18.3655, 17.8991, 21.2524



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.



72.5348, 60.5446, 84.2080



69.2576, 54.9600, 80.1261



68.0020, 58.7315, 60.3385



18.5348, 18.1972, 21.4333



25.6449, 12.7473, 22.5784



2.5465, 1.2610, 2.4590



# Inverse Universe

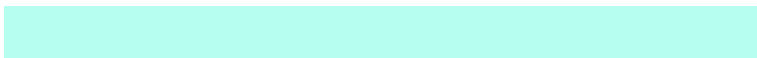
The Inverse Universe completely reimagines the original color for something new.



72.5348, 60.5446, 84.2080



69.2576, 54.9600, 80.1261



70.8407, 87.7810, 95.9606



18.5348, 18.1972, 21.4333



25.6449, 12.7473, 22.5784



2.5465, 1.2610, 2.4590



# Previews

## White Background



This preview shows how the XYZ color 72.5334, 60.5421, 84.2068 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

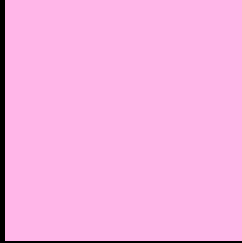
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.5334, 60.5421, 84.2068 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 72.5334, 60.5421, 84.2068**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.5334, 60.5421, 84.2068.



This preview shows how white text looks on a background with the XYZ color 72.5334, 60.5421,



# 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

72.5334, 60.5421, 84.2068

### Protanopia

60.4962, 60.9678, 95.7682

### Deuteranopia

62.0069, 60.6501, 82.5673



## Tritanopia

68.2147, 60.3141, 63.9236

# Trichromacy



## Original Color

72.5334, 60.5421, 84.2068



## Protanomaly

64.0076, 60.1328, 91.4523



## Deuteranomaly

65.3478, 60.3471, 83.0669



## Tritanomaly

69.5041, 60.1975, 70.9068

# Monochromacy



## Original Color

72.5334, 60.5421, 84.2068



## Achromatopsia

61.2578, 64.4480, 70.1838



## Achromatomaly

64.6732, 62.5393, 74.9923

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.5334, 60.5421, 84.2068 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, 182, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 232)  
}
```

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, 182, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 72.5334, 60.5421, 84.2068 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, 182, 232) }
```



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

```
.border{ border-color:rgb(255, 182, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 182, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.5334, 60.5421, 84.2068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 182, 232) }
```

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

```
.background{ background-color: rgb(255,  
182, 232) }
```

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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