

# Converting Colors

XYZ(100.2075, 79.6283,  
69.1849)

Have a look what the booklet for  
XYZ(100.2075, 79.6283, 69.1849)  
contains.

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# Color

**XYZ(72.2424, 65.2448,  
67.8174)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC4CF
RGB	255, 196, 207
RGB Percent	100%, 77%, 81%
CMY	0.0000, 0.2313, 0.1882
CMYK	0.00, 0.23, 0.19, 0.00
HSL	349°, 100%, 88%
HSV	349°, 23%, 100%
XYZ	72.2424, 65.2448, 67.8174
YIQ	214.8950, 31.6330, 15.9290

# Conversions

## Conversions Part 2

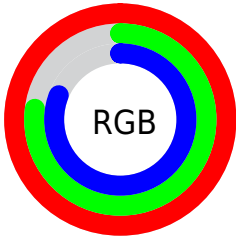
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 196, 207
Decimal	16762063
CIE <sub>Lab</sub>	84.61, 22.64, 2.66
CIE <sub>LCh</sub>	85, 22.798, 6.711
Yxy	65.2448, 0.3519, 0.3178
Android (android.graphics.Color)	4294952143 (0xFFFFC4CF)
YUV	214.8950, -3.8922, 35.1721
Hunter-Lab	80.7743, 18.2908, 6.7626

# Details

The XYZ color **72.2424, 65.2448, 67.8174** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **74.8564, 89.7885, 98.9773**, and the grayscale version is **64.5321, 67.8928, 73.9353**.

A 20% lighter version of the original color is **94.4153, 98.7306, 108.6884**, and **38.4487, 33.5162, 34.5798** is the 20% darker color. If you saturate the color by 10%, you get **64.5997, 53.7555, 53.5672**, and if you desaturate by 10%, it is **81.1990, 78.8280, 84.1517**.

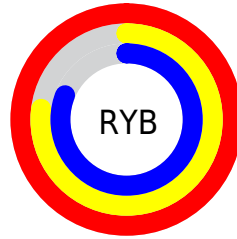
# Distribution



Red (100%)

Green (77%)

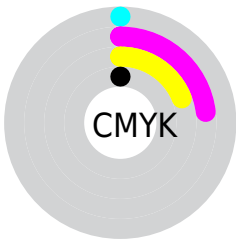
Blue (81%)



Red (100%)

Yellow (77%)

Blue (81%)

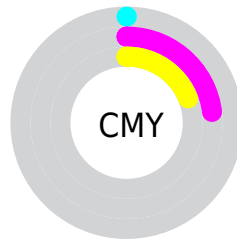


Cyan (0%)

Magenta (23%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (23%)


Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2424, 65.2448, 67.8174 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 72.2424, 65.2448, 67.8174 by changing the saturation by 10% instead.




 72.2424, 65.2448,  
67.8174

 72.2424, 65.2448,  
67.8174


457.5294,  
443.6711, 471.4293

 53.6429, 47.6596,  
49.2834


121.4100,  
112.4017, 117.7426

 38.5458, 33.5574,  
34.4772


152.7089,  
142.7423, 149.9710

 26.5857, 22.5538,  
22.9801

188.9715,  
178.1034, 187.6012

 17.3973, 14.2644,  
14.3737

230.5633,  
218.8694, 231.0518

 10.6152, 8.3048,  
8.2393

277.8497,  
265.4248, 280.7414

 5.8741, 4.2906,  
4.1585


331.1959,

 2.8086, 1.8374,


318.1540, 337.0885


1.7127


390.9674,  
377.4413, 400.5116


 1.0534, 0.5103,  
0.3694


 0.0000, 0.0000,  
0.0000


 72.2424, 65.2448,  
67.8174

 72.2424, 65.2448,  
67.8174

 64.5997, 53.7555,  
53.5672


 81.1990, 78.8280,  
84.1517

 58.2041, 44.2478,  
41.3126

 91.5230, 94.5934,  
102.6455

 52.9895, 36.6114,  
30.9648

95.0500, 100.0000,  
108.9000

 48.8821, 30.7220,  
22.4264

■ 45.7994, 26.4403,  
15.5914

■ 43.6469, 23.6053,  
10.3421

■ 42.3116, 22.0221,  
6.5450

■ 41.7638, 21.4695,  
4.6882

# Harmonies

## Analogous

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



71.4373, 65.2448, 82.7003



72.2424, 65.2448, 67.8174



70.1888, 65.2448, 55.5779

# Triad

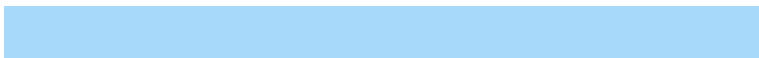
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.2424, 65.2448, 67.8174



56.3487, 65.2448, 50.8687



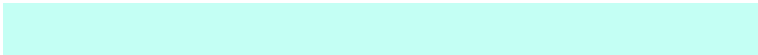
58.2262, 65.2448, 99.9988

# Complementary

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



72.2424, 65.2448, 67.8174



74.8564, 89.7885, 98.9773

# 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.



54.4986, 65.2448, 89.1339



72.2424, 65.2448, 67.8174



53.4567, 65.2448, 60.5316

# Square

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



72.2424, 65.2448, 67.8174



60.8774, 65.2448, 46.6956



52.7983, 65.2448, 74.3641



63.1631, 65.2448, 102.6474



# Rectangle

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



72.2424, 65.2448, 67.8174



67.5376, 65.2448, 50.1049



52.7983, 65.2448, 74.3641



56.7986, 65.2448, 97.1206

# Sweetspot

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



72.2439, 65.2476, 67.8187



87.3668, 88.2349, 95.2363



74.8229, 65.7931, 103.3635



18.5652, 18.6799, 20.1432



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

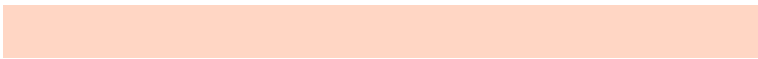
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.2439, 65.2476, 67.8187



68.3650, 59.4020, 60.6303



75.1763, 73.1894, 62.3929



18.1476, 18.0424, 19.3946



21.8618, 11.2340, 2.6569



2.1638, 1.1079, 0.4438



# Inverse Universe

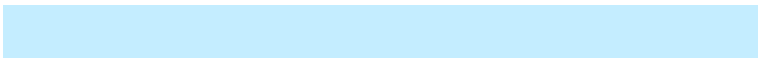
The Inverse Universe completely reimagines the original color for something new.



72.2439, 65.2476, 67.8187



68.3650, 59.4020, 60.6303



71.1882, 79.6999, 106.2393



18.1476, 18.0424, 19.3946



21.8618, 11.2340, 2.6569



2.1638, 1.1079, 0.4438



# Previews

## White Background



This preview shows how the XYZ color 72.2424, 65.2448, 67.8174 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

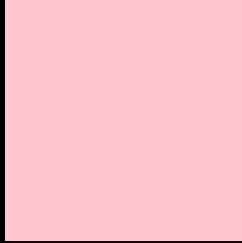
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.2424, 65.2448, 67.8174 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 72.2424, 65.2448, 67.8174**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.2424, 65.2448, 67.8174.



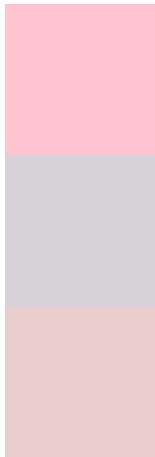
This preview shows how white text looks on a background with the XYZ color 72.2424, 65.2448,

67.8174.

# 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

72.2424, 65.2448, 67.8174

### Protanopia

63.0439, 65.2956, 73.5705

### Deuteranopia

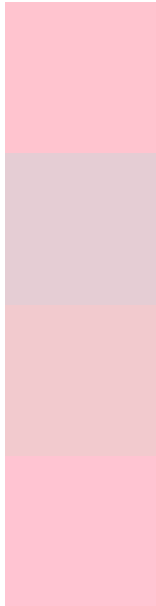
66.7825, 65.5628, 66.8927



## Tritanopia

72.7378, 65.4430, 70.4261

# Trichromacy



## Original Color

72.2424, 65.2448, 67.8174

## Protanomaly

66.0281, 65.0741, 71.3679

## Deuteranomaly

68.8791, 65.5745, 67.4194

## Tritanomaly

72.6128, 65.3930, 69.7678

# Monochromacy



## Original Color

72.2424, 65.2448, 67.8174

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

67.0727, 66.6882, 71.6244

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.2424, 65.2448, 67.8174 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, 196, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 207)  
}
```

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, 196, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 72.2424, 65.2448, 67.8174 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, 196, 207) }
```



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

```
.border{ border-color:rgb(255, 196, 207) }
```

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

Here you see how a box with a 4 pixel rgb(255, 196, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.2424, 65.2448, 67.8174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 207) }
```

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

```
.background{ background-color: rgb(255,  
196, 207) }
```

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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