

# Converting Colors

XYZ(72.6277, 64.9181, 71.3286)

Have a look what the booklet for XYZ(72.6277, 64.9181, 71.3286) contains.

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# **Color**

**XYZ(72.7653, 65.0943,  
71.6801)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC3D5
RGB	255, 195, 213
RGB Percent	100%, 76%, 84%
CMY	0.0000, 0.2353, 0.1647
CMYK	0.00, 0.24, 0.16, 0.00
HSL	342°, 100%, 88%
HSV	342°, 24%, 100%
XYZ	72.7653, 65.0943, 71.6801
YIQ	214.9920, 29.9820, 18.3180

# Conversions

## Conversions Part 2

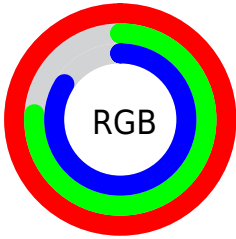
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 195, 213
Decimal	16761813
CIE Lab	84.53, 24.07, -0.65
CIE LCh	85, 24.083, 358.447
Yxy	65.0943, 0.3473, 0.3107
Android (android.graphics.Color)	4294951893 (0xFFFFC3D5)
YUV	214.9920, -0.9821, 35.0870
Hunter-Lab	80.6810, 19.7953, 3.8012

# Details

The XYZ color **72.7653, 65.0943, 71.6801** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **73.5540, 89.2376, 93.4724**, and the grayscale version is **64.5795, 67.9427, 73.9896**.

A 20% lighter version of the original color is **94.1004, 98.1008, 108.5835**, and **38.9851, 33.5241, 36.7638** is the 20% darker color. If you saturate the color by 10%, you get **65.3896, 53.7716, 58.6513**, and if you desaturate by 10%, it is **81.3692, 78.4737, 86.3505**.

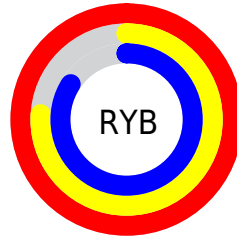
# Distribution



Red (100%)

Green (76%)

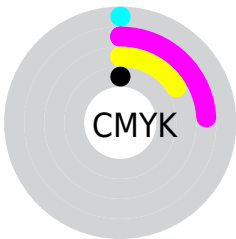
Blue (84%)



Red (100%)

Yellow (76%)

Blue (84%)

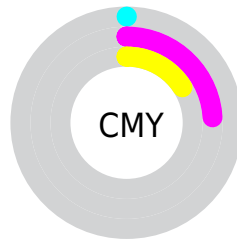


Cyan (0%)

Magenta (24%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (24%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7653, 65.0943, 71.6801 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 72.7653, 65.0943, 71.6801 by changing the saturation by 10% instead.





 72.7653, 65.0943,  
71.6801

 72.7653, 65.0943,  
71.6801


459.3174,  
443.1308, 485.3750

 54.0718, 47.5375,  
52.4122


 122.1489,  
112.1854, 123.3051

 38.8899, 33.4608,  
36.9492


153.5697,  
142.4886, 156.4992

 26.8545, 22.4797,  
24.8727


189.9636,  
177.8093, 195.1725

 17.6000, 14.2098,  
15.7641

231.6959,  
218.5321, 239.7435

 10.7611, 8.2667,  
9.2048

279.1322,  
265.0412, 290.6306

 5.9725, 4.2661,  
4.7764

332.6376,

 2.8689, 1.8235,

317.7211, 348.2526

2.0602

392.5775,  
376.9561, 413.0279

■ 1.0848, 0.5018,  
0.5919

■ 0.0124, 0.0000,  
0.0000

■ 72.7653, 65.0943,  
71.6801

■ 72.7653, 65.0943,  
71.6801

■ 65.3896, 53.7716,  
58.6513

■ 81.3692, 78.4737,  
86.3505

■ 59.1798, 44.3946,  
47.2012

■ 91.2504, 93.9964,  
102.7143

■ 54.0751, 36.8552,  
37.2685

95.0500, 100.0000,  
108.9000

■ 50.0071, 31.0307,  
28.7864

■ 46.8994, 26.7836,  
21.6822

■ 44.6642, 23.9548,  
15.8764

■ 43.1961, 22.3510,  
11.2792

■ 42.5615, 21.7886,  
8.8890

# Harmonies

## Analogous

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



71.0835, 65.0943, 87.4869



72.7653, 65.0943, 71.6801



71.3905, 65.0943, 57.7148

# Triad

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



72.7653, 65.0943, 71.6801



57.0853, 65.0943, 47.9452



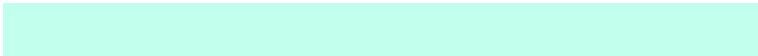
56.6278, 65.0943, 99.1500

# Complementary

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



72.7653, 65.0943, 71.6801



73.5540, 89.2376, 93.4724

# 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.



53.2363, 65.0943, 85.9012



72.7653, 65.0943, 71.6801



53.4895, 65.0943, 56.5142

# Square

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



72.7653, 65.0943, 71.6801



62.1501, 65.0943, 45.2566



52.1208, 65.0943, 70.0792



61.5911, 65.0943, 104.6999



# Rectangle

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



72.7653, 65.0943, 71.6801



68.9678, 65.0943, 50.9875



52.1208, 65.0943, 70.0792



55.2770, 65.0943, 95.3631

# Sweetspot

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



72.7669, 65.0971, 71.6814



87.6705, 88.3564, 96.8357



72.4922, 64.2578, 103.1900



18.6354, 18.7079, 20.5127



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.



72.7669, 65.0971, 71.6814



69.3189, 59.7836, 65.6539



73.4050, 69.8284, 61.2428



18.2336, 18.0767, 19.8472



22.2965, 11.4079, 4.9457



2.2167, 1.1291, 0.7227



# Inverse Universe

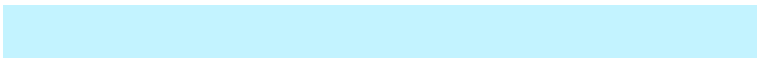
The Inverse Universe completely reimagines the original color for something new.



72.7669, 65.0971, 71.6814



69.3189, 59.7836, 65.6539



72.6082, 82.9248, 106.7870



18.2336, 18.0767, 19.8472



22.2965, 11.4079, 4.9457



2.2167, 1.1291, 0.7227



# Previews

## White Background



This preview shows how the XYZ color 72.7653, 65.0943, 71.6801 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

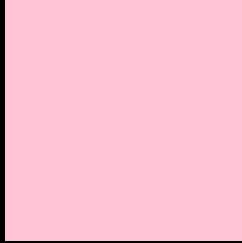
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.7653, 65.0943, 71.6801 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 72.7653, 65.0943, 71.6801**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.7653, 65.0943, 71.6801.



This preview shows how white text looks on a background with the XYZ color 72.7653, 65.0943,

71.6801.

# 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

72.7653, 65.0943, 71.6801

### Protanopia

63.3828, 65.3642, 78.3832

### Deuteranopia

66.8679, 65.5216, 70.7506



## Tritanopia

72.5130, 64.9934, 70.3511

# Trichromacy



## Original Color

72.7653, 65.0943, 71.6801

## Protanomaly

66.6124, 65.2711, 76.1056

## Deuteranomaly

68.7055, 65.0520, 71.2225

## Tritanomaly

72.6388, 65.0437, 71.0136

# Monochromacy



## Original Color

72.7653, 65.0943, 71.6801

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

67.3266, 66.7898, 72.9616

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.7653, 65.0943, 71.6801 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, 195, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 213)  
}
```

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, 195, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 72.7653, 65.0943, 71.6801 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, 195, 213) }
```



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

```
.border{ border-color:rgb(255, 195, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 195, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 195, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 195, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 195,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.7653, 65.0943, 71.6801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 195, 213) }
```

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

```
.background{ background-color: rgb(255,  
195, 213) }
```

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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