

# Converting Colors

XYZ(82.9349, 69.8759, 73.6981)

Have a look what the booklet for  
XYZ(82.9349, 69.8759, 73.6981)  
contains.

<b>XYZ(72.7975, 64.7499, 72.9511)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(72.7975, 64.7499,  
72.9511)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC2D7
RGB	255, 194, 215
RGB Percent	100%, 76%, 84%
CMY	0.0000, 0.2392, 0.1569
CMYK	0.00, 0.24, 0.16, 0.00
HSL	339°, 100%, 88%
HSV	339°, 24%, 100%
XYZ	72.7975, 64.7499, 72.9511
YIQ	214.6330, 29.6150, 19.4630

# Conversions

## Conversions Part 2

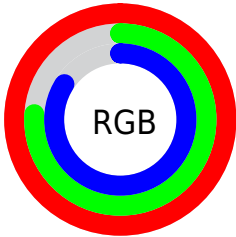
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 194, 215
Decimal	16761559
CIE <sub>Lab</sub>	84.35, 24.91, -1.98
CIE <sub>LCh</sub>	84, 24.985, 355.452
Yxy	64.7499, 0.3458, 0.3076
Android (android.graphics.Color)	4294951639 (0xFFFFC2D7)
YUV	214.6330, 0.1809, 35.4019
Hunter-Lab	80.4673, 20.6683, 2.5752

# Details

The XYZ color **72.7975, 64.7499, 72.9511** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **72.8617, 88.9310, 91.1708**, and the grayscale version is **64.3294, 67.6796, 73.7031**.

A 20% lighter version of the original color is **93.7872, 97.4744, 108.4791**, and **39.0119, 33.3000, 37.6291** is the 20% darker color. If you saturate the color by 10%, you get **65.5615, 53.5427, 60.4741**, and if you desaturate by 10%, it is **81.2301, 77.9981, 86.9122**.

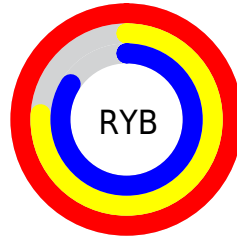
# Distribution



Red (100%)

Green (76%)

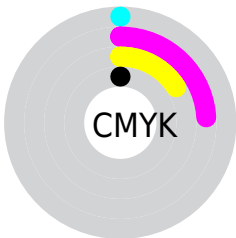
Blue (84%)



Red (100%)

Yellow (76%)

Blue (84%)

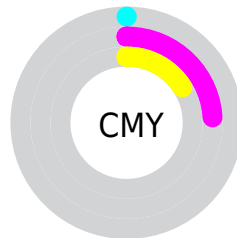


Cyan (0%)

Magenta (24%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (24%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7975, 64.7499, 72.9511 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 72.7975, 64.7499, 72.9511 by changing the saturation by 10% instead.





 72.7975, 64.7499,  
72.9511

 72.7975, 64.7499,  
72.9511


459.4273,  
441.8927, 489.9116

 54.0982, 47.2583,  
53.4444


 122.1944,  
111.6902, 125.1281

 38.9111, 33.2399,  
37.7675


153.6226,  
141.9077, 158.6354

 26.8710, 22.3103,  
25.5019


190.0246,  
177.1360, 197.6467

 17.6125, 14.0851,  
16.2289

231.7656,  
217.7594, 242.5805

 10.7701, 8.1799,  
9.5302

279.2111,  
264.1624, 293.8554

 5.9786, 4.2103,  
4.9871

332.7262,

 2.8726, 1.7919,

316.7294, 351.8898

2.1811

392.6766,  
375.8447, 417.1023

■ 1.0868, 0.4821,  
0.6634

■ 0.0140, 0.0000,  
0.0000

■ 72.7975, 64.7499,  
72.9511

■ 72.7975, 64.7499,  
72.9511

■ 65.5615, 53.5427,  
60.4741

■ 81.2301, 77.9981,  
86.9122

■ 59.4611, 44.2659,  
49.4262

■ 90.9069, 93.3736,  
102.4020

■ 54.4368, 36.8114,  
39.7542

95.0500, 100.0000,  
108.9000

■ 50.4218, 31.0570,  
31.4003

■ 47.3411, 26.8651,  
24.3015

■ 45.1085, 24.0764,  
18.3889

■ 43.6200, 22.4969,  
13.5847

■ 42.9921, 21.9609,  
11.1567

# Harmonies

## Analogous

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



70.7511, 64.7499, 89.2788



72.7975, 64.7499, 72.9511



71.6831, 64.7499, 58.1736

# Triad

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



72.7975, 64.7499, 72.9511



57.0725, 64.7499, 46.3635



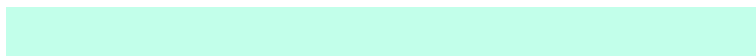
55.6911, 64.7499, 98.7683

# Complementary

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



72.7975, 64.7499, 72.9511



72.8617, 88.9310, 91.1708

# 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.



52.4070, 64.7499, 84.4588



72.7975, 64.7499, 72.9511



53.1703, 64.7499, 54.5612

# Square

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



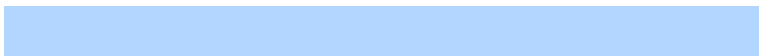
72.7975, 64.7499, 72.9511



62.3923, 64.7499, 44.2282



51.5124, 64.7499, 68.1076



60.7011, 64.7499, 105.5404



# Rectangle

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



72.7975, 64.7499, 72.9511



69.3311, 64.7499, 50.8985



51.5124, 64.7499, 68.1076



54.3608, 64.7499, 94.5847

# Sweetspot

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



72.7991, 64.7527, 72.9524



87.7898, 88.4041, 97.4639



71.1608, 63.2400, 103.0637



18.6630, 18.7190, 20.6579



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.



72.7991, 64.7527, 72.9524



68.9761, 58.8089, 66.4304



72.3709, 67.9406, 60.3421



18.2674, 18.0903, 20.0255



22.5272, 11.5002, 6.1607



2.2424, 1.1393, 0.8579



# Inverse Universe

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



72.7991, 64.7527, 72.9524



68.9761, 58.8089, 66.4304



73.2102, 84.5110, 107.0614



18.2674, 18.0903, 20.0255



22.5272, 11.5002, 6.1607



2.2424, 1.1393, 0.8579



# Previews

## White Background



This preview shows how the XYZ color 72.7975, 64.7499, 72.9511 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

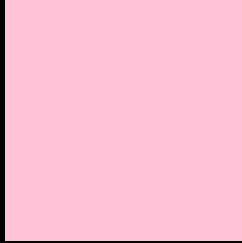
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.7975, 64.7499, 72.9511 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

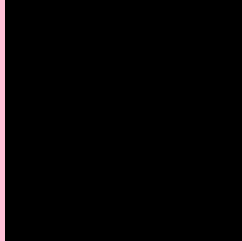
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 72.7975, 64.7499, 72.9511

## Background



This preview shows how black text looks on a background with the XYZ color 72.7975, 64.7499, 72.9511.



This preview shows how white text looks on a background with the XYZ color 72.7975, 64.7499,

72.9511.

# 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

72.7975, 64.7499, 72.9511

### Protanopia

63.3651, 65.3239, 79.7901

### Deuteranopia

66.2362, 64.8128, 71.9699



## Tritanopia

72.0210, 64.7542, 69.6757

# Trichromacy



## Original Color

72.7975, 64.7499, 72.9511

## Protanomaly

66.3226, 64.7371, 77.4065

## Deuteranomaly

68.3885, 64.5143, 72.4664

## Tritanomaly

72.2718, 64.8545, 70.9964

# Monochromacy



## Original Color

72.7975, 64.7499, 72.9511

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

67.2117, 66.3549, 73.5553

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.7975, 64.7499, 72.9511 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, 194, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 215)  
}
```

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, 194, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 72.7975, 64.7499, 72.9511 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, 194, 215) }
```



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

```
.border{ border-color:rgb(255, 194, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 194, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
215) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.7975, 64.7499, 72.9511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 194, 215) }
```

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

```
.background{ background-color: rgb(255,  
194, 215) }
```

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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