

# Converting Colors

XYZ(72.3347, 64.4936, 70.7334)

Have a look what the booklet for  
XYZ(72.3347, 64.4936, 70.7334)  
contains.

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# Color

**XYZ(72.4155, 64.5970,  
70.9391)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC2D4
RGB	255, 194, 212
RGB Percent	100%, 76%, 83%
CMY	0.0000, 0.2392, 0.1686
CMYK	0.00, 0.24, 0.17, 0.00
HSL	342°, 100%, 88%
HSV	342°, 24%, 100%
XYZ	72.4155, 64.5970, 70.9391
YIQ	214.2910, 30.5780, 18.5300

# Conversions

## Conversions Part 2

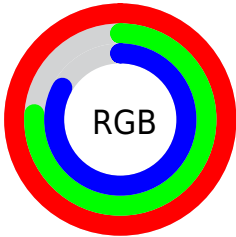
Format	Color
R <sub>Y</sub> B	255, 194, 212
Decimal	16761556
CIE Lab	84.28, 24.45, -0.49
CIE LCh	84, 24.451, 358.844
Yxy	64.5970, 0.3482, 0.3106
Android (android.graphics.Color)	4294951636 (0xFFFFC2D4)
YUV	214.2910, -1.1295, 35.7018
Hunter-Lab	80.3723, 20.1773, 3.9294

# Details

The XYZ color **72.4155, 64.5970, 70.9391** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **73.2964, 89.1048, 93.4601**, and the grayscale version is **64.1067, 67.4452, 73.4479**.

A 20% lighter version of the original color is **93.7872, 97.4744, 108.4791**, and **38.4898, 33.0608, 36.2510** is the 20% darker color. If you saturate the color by 10%, you get **65.0766, 53.3486, 57.9209**, and if you desaturate by 10%, it is **80.9835, 77.8994, 85.6144**.

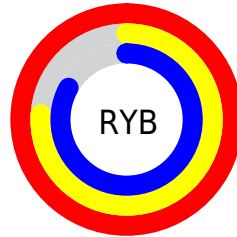
# Distribution



Red (100%)

Green (76%)

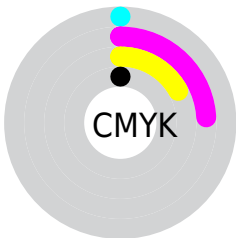
Blue (83%)



Red (100%)

Yellow (76%)

Blue (83%)

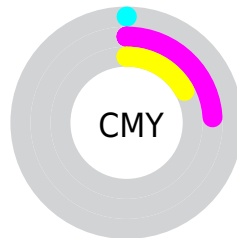


Cyan (0%)

Magenta (24%)

Yellow (17%)

Black (0%)



Cyan (0%)

Magenta (24%)


Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.4155, 64.5970, 70.9391 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 72.4155, 64.5970, 70.9391 by changing the saturation by 10% instead.





 72.4155, 64.5970,  
70.9391

 72.4155, 64.5970,  
70.9391


458.1217,  
441.3423, 482.7184

 53.7848, 47.1344,  
51.8110


 121.6547,  
111.4703, 122.2407

 38.6597, 33.1419,  
36.4732

152.9939,  
141.6497, 155.2512

 26.6746, 22.2352,  
24.5073


189.3001,  
176.8369, 193.7262

 17.4643, 14.0298,  
15.4947

230.9385,  
217.4161, 238.0843

 10.6634, 8.1414,  
9.0168

278.2745,  
263.7719, 288.7441

 5.9066, 4.1856,  
4.6552

331.6734,

 2.8285, 1.7779,

316.2886, 346.1240

1.9912

391.5008,  
375.3506, 410.6426

■ 1.0637, 0.4733,  
0.5499

■ 0.0000, 0.0000,  
0.0000

■ 72.4155, 64.5970,  
70.9391

■ 72.4155, 64.5970,  
70.9391

■ 65.0766, 53.3486,  
57.9209

■ 80.9835, 77.8994,  
85.6144

■ 58.9046, 44.0432,  
46.4958

■ 90.8304, 93.3429,  
101.9997

■ 53.8381, 36.5719,  
36.6015

95.0500, 100.0000,  
108.9000

■ 49.8083, 30.8116,  
28.1697

■ 46.7381, 26.6239,  
21.1263

■ 44.5390, 23.8486,  
15.3902

■ 43.1044, 22.2907,  
10.8697

■ 42.5180, 21.7712,  
8.6600

# Harmonies

## Analogous

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



70.7530, 64.5970, 86.9317



72.4155, 64.5970, 70.9391



70.9844, 64.5970, 56.8988

# Triad

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



72.4155, 64.5970, 70.9391



56.5067, 64.5970, 47.3002



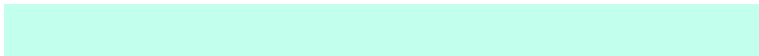
56.1628, 64.5970, 99.0876

# Complementary

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



72.4155, 64.5970, 70.9391



73.2964, 89.1048, 93.4601

# 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.



52.7152, 64.5970, 85.7359



72.4155, 64.5970, 70.9391



52.9054, 64.5970, 55.9980

# Square

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



72.4155, 64.5970, 70.9391



61.6080, 64.5970, 44.5195



51.5579, 64.5970, 69.7346



61.1875, 64.5970, 104.5880



# Rectangle

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



72.4155, 64.5970, 70.9391



68.5134, 64.5970, 50.1745



51.5579, 64.5970, 69.7346



54.7922, 64.5970, 95.2807

# Sweetspot

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



72.4169, 64.5997, 70.9404



87.6573, 88.3511, 96.7661



72.1687, 63.7595, 103.1108



18.6323, 18.7067, 20.4966



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.



72.4169, 64.5997, 70.9404



68.5378, 58.6336, 64.1224



73.0989, 69.3966, 60.5846



18.2298, 18.0752, 19.8275



22.2730, 11.3985, 4.8224



2.2140, 1.1280, 0.7086



# Inverse Universe

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



72.4169, 64.5997, 70.9404



68.5378, 58.6336, 64.1224



72.2908, 82.6724, 106.7550



18.2298, 18.0752, 19.8275



22.2730, 11.3985, 4.8224



2.2140, 1.1280, 0.7086



# Previews

## White Background



This preview shows how the XYZ color 72.4155, 64.5970, 70.9391 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

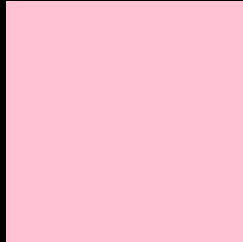
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.4155, 64.5970, 70.9391 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 72.4155, 64.5970, 70.9391**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.4155, 64.5970, 70.9391.



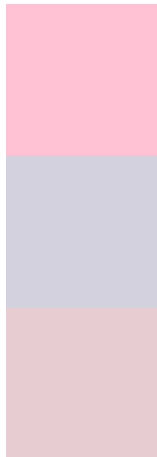
This preview shows how white text looks on a background with the XYZ color 72.4155, 64.5970,

70.9391.

# 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

72.4155, 64.5970, 70.9391

### Protanopia

62.7156, 64.6703, 77.5838

### Deuteranopia

66.1807, 64.8278, 69.9977



## Tritanopia

72.0404, 64.4470, 68.9642

# Trichromacy



## Original Color

72.4155, 64.5970, 70.9391

## Protanomaly

65.9263, 64.5786, 75.3199

## Deuteranomaly

68.3473, 64.5370, 70.4826

## Tritanomaly

72.1646, 64.4967, 69.6184

# Monochromacy



## Original Color

72.4155, 64.5970, 70.9391

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

66.6362, 66.0878, 72.1949

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.4155, 64.5970, 70.9391 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, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 212)  
}
```

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, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 72.4155, 64.5970, 70.9391 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, 212) }
```



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

```
.border{ border-color:rgb(255, 194, 212) }
```

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, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.4155, 64.5970, 70.9391 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, 212) }
```

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

```
.background{ background-color: rgb(255,  
194, 212) }
```

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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