

# Converting Colors

XYZ(71.7869, 63.4777, 70.3050)

Have a look what the booklet for  
XYZ(71.7869, 63.4777, 70.3050)  
contains.

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# Color

**XYZ(71.8475, 63.6624,  
70.1293)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC0D3
RGB	255, 192, 211
RGB Percent	100%, 75%, 83%
CMY	0.0000, 0.2470, 0.1725
CMYK	0.00, 0.25, 0.17, 0.00
HSL	342°, 100%, 88%
HSV	342°, 25%, 100%
XYZ	71.8475, 63.6624, 70.1293
YIQ	213.0030, 31.4490, 19.2650

# Conversions

## Conversions Part 2

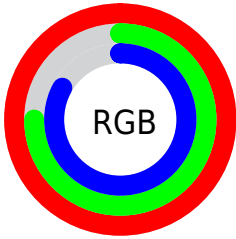
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 192, 211
Decimal	16761043
CIE <sub>Lab</sub>	83.79, 25.34, -0.67
CIE <sub>LCh</sub>	84, 25.352, 358.488
Yxy	63.6624, 0.3494, 0.3096
Android (android.graphics.Color)	4294951123 (0xFFFFC0D3)
YUV	213.0030, -0.9875, 36.8314
Hunter-Lab	79.7887, 21.1040, 3.7399

# Details

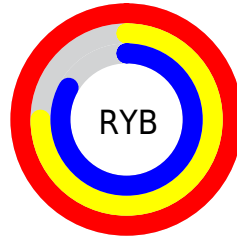
The XYZ color **71.8475, 63.6624, 70.1293** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **72.6408, 88.7837, 92.6689**, and the grayscale version is **63.2409, 66.5343, 72.4559**.

A 20% lighter version of the original color is **93.1657, 96.2314, 108.2719**, and **38.2002, 32.4816, 36.1545** is the 20% darker color. If you saturate the color by 10%, you get **64.6153, 52.5756, 57.3061**, and if you desaturate by 10%, it is **80.3001, 76.7937, 84.5816**.

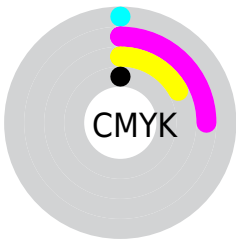
# Distribution



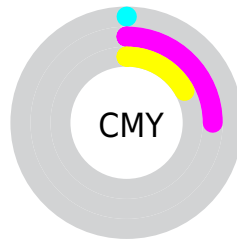
- Red (100%)
- Green (75%)
- Blue (83%)



- Red (100%)
- Yellow (75%)
- Blue (83%)



- Cyan (0%)
- Magenta (25%)
- Yellow (17%)
- Black (0%)



- Cyan (0%)
- Magenta (25%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.8475, 63.6624, 70.1293 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 71.8475, 63.6624, 70.1293 by changing the saturation by 10% instead.





 71.8475, 63.6624,  
70.1293

 71.8475, 63.6624,  
70.1293


456.1765,  
437.9695, 479.8053

 53.3191, 46.3773,  
51.1545


 120.8517,  
110.1246, 121.0760

 38.2861, 32.5437,  
35.9540

152.0582,  
140.0705, 153.8849

 26.3830, 21.7771,  
24.1093


188.2214,  
175.0054, 192.1423

 17.2446, 13.6932,  
15.2017

229.7068,  
215.3138, 236.2667

 10.5054, 7.9076,  
8.8129

276.8796,  
261.3799, 286.6767

 5.8001, 4.0359,  
4.5242

330.1053,

 2.7634, 1.6937,

313.5884, 343.7908

1.9171

389.7491,  
372.3234, 408.0274

■ 1.0299, 0.4195,  
0.5036

■ 0.0000, 0.0000,  
0.0000

■ 71.8475, 63.6624,  
70.1293

■ 71.8475, 63.6624,  
70.1293

■ 64.6153, 52.5756,  
57.3061

■ 80.3001, 76.7937,  
84.5816

■ 58.5410, 43.4216,  
46.0491

■ 90.0227, 92.0570,  
100.7148

■ 53.5631, 36.0910,  
36.2968

95.0500, 100.0000,  
108.9000

■ 49.6125, 30.4597,  
27.9821

■ 46.6117, 26.3880,  
21.0320

■ 44.4714, 23.7137,  
15.3665

■ 43.0834, 22.2381,  
10.8948

■ 42.5758, 21.7943,  
8.9641

# Harmonies

## Analogous

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



70.0968, 63.6624, 86.5989



71.8475, 63.6624, 70.1293



70.4087, 63.6624, 55.7051

# Triad

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



71.8475, 63.6624, 70.1293



55.5480, 63.6624, 45.7228



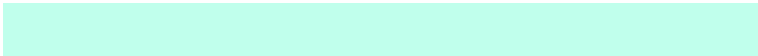
55.0873, 63.6624, 98.8602

# Complementary

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



71.8475, 63.6624, 70.1293



72.6408, 88.7837, 92.6689

# 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.



51.5840, 63.6624, 84.9844



71.8475, 63.6624, 70.1293



51.8383, 63.6624, 54.5032

# Square

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



71.8475, 63.6624, 70.1293



60.7920, 63.6624, 42.9763



50.4313, 63.6624, 68.5121



60.2273, 63.6624, 104.6829



# Rectangle

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



71.8475, 63.6624, 70.1293



67.8812, 63.6624, 48.8107



50.4313, 63.6624, 68.5121



53.6912, 63.6624, 94.8880

# Sweetspot

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



71.8490, 63.6652, 70.1306



87.6748, 88.3581, 96.8582



71.1791, 62.5930, 102.9378



18.6364, 18.7083, 20.5179



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.



71.8490, 63.6652, 70.1306



67.8696, 57.5440, 63.1392



72.2423, 68.0405, 59.1983



18.2348, 18.0772, 19.8536



22.3041, 11.4109, 4.9860



2.2176, 1.1294, 0.7273



# Inverse Universe

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



71.8490, 63.6652, 70.1306



67.8696, 57.5440, 63.1392



71.9755, 82.7988, 106.7960



18.2348, 18.0772, 19.8536



22.3041, 11.4109, 4.9860



2.2176, 1.1294, 0.7273



# Previews

## White Background



This preview shows how the XYZ color 71.8475, 63.6624, 70.1293 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

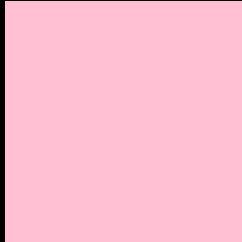
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.8475, 63.6624, 70.1293 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

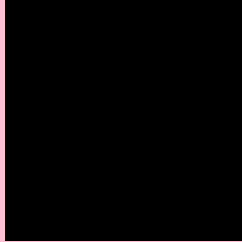
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 71.8475, 63.6624, 70.1293**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.8475, 63.6624, 70.1293.



This preview shows how white text looks on a background with the XYZ color 71.8475, 63.6624,



# 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

71.8475, 63.6624, 70.1293

### Protanopia

62.0525, 63.9807, 76.7891

### Deuteranopia

65.1777, 63.9733, 69.2345



## Tritanopia

71.5724, 63.9049, 67.5941

# Trichromacy



## Original Color

71.8475, 63.6624, 70.1293

## Protanomaly

65.0089, 63.4196, 74.4605

## Deuteranomaly

67.3162, 63.6771, 69.7157

## Tritanomaly

71.6951, 63.9540, 68.2401

# Monochromacy



## Original Color

71.8475, 63.6624, 70.1293

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

65.7099, 64.9101, 71.3530

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.8475, 63.6624, 70.1293 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, 192, 211)` looks like.

```
.text, #text, p{  
    color:rgb(255, 192, 211)  
}
```

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, 192, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 192, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 71.8475, 63.6624, 70.1293 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, 192, 211) }
```



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

```
.border{ border-color:rgb(255, 192, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 192, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 192, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 192, 211);  
box-shadow:4px 4px 4px 4px rgb(255, 192,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.8475, 63.6624, 70.1293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 192, 211) }
```

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

```
.background{ background-color: rgb(255,  
192, 211) }
```

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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