

# Converting Colors

XYZ(70.7102, 63.6683, 69.7285)

Have a look what the booklet for  
XYZ(70.7102, 63.6683, 69.7285)  
contains.

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# **Color**

**XYZ(70.7083, 63.7459,  
69.5502)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBC2D2
RGB	251, 194, 210
RGB Percent	98%, 76%, 82%
CMY	0.0157, 0.2392, 0.1765
CMYK	0.00, 0.23, 0.16, 0.02
HSL	343°, 88%, 87%
HSV	343°, 23%, 98%
XYZ	70.7083, 63.7459, 69.5502
YIQ	212.8670, 28.8360, 17.0600

# Conversions

## Conversions Part 2

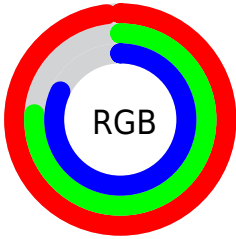
Format	Color
R <sub>Y</sub> B	251, 194, 210
Decimal	16499410
CIE Lab	83.83, 22.74, -0.12
CIE LCh	84, 22.736, 359.705
Yxy	63.7459, 0.3466, 0.3125
Android (android.graphics.Color)	4294689490 (0xFFFBBC2D2)
YUV	212.8670, -1.4134, 33.4426
Hunter-Lab	79.8410, 18.3602, 4.2407

# Details

The XYZ color **70.7083, 63.7459, 69.5502** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **71.7433, 86.4635, 91.5093**, and the grayscale version is **63.1541, 66.4430, 72.3565**.

A 20% lighter version of the original color is **93.7872, 97.4744, 108.4791**, and **37.6270, 32.6258, 35.7667** is the 20% darker color. If you saturate the color by 10%, you get **63.4628, 52.6536, 56.6558**, and if you desaturate by 10%, it is **79.1547, 76.8324, 84.0986**.

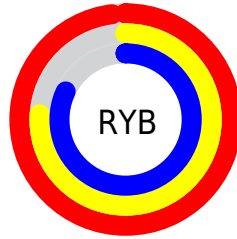
# Distribution



Red (98%)

Green (76%)

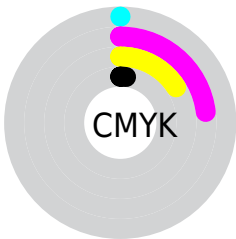
Blue (82%)



Red (98%)

Yellow (76%)

Blue (82%)

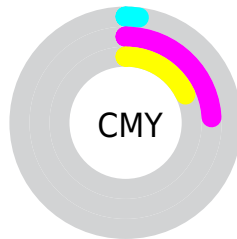


Cyan (0%)

Magenta (23%)

Yellow (16%)

Black (2%)



Cyan (2%)

Magenta (24%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7083, 63.7459, 69.5502 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 70.7083, 63.7459, 69.5502 by changing the saturation by 10% instead.





 70.7083, 63.7459,  
69.5502

 70.7083, 63.7459,  
69.5502


452.2608,  
438.2715, 477.7155

 52.3859, 46.4449,  
50.6854


 119.2391,  
110.2449, 120.2422

 37.5382, 32.5970,  
35.5833

150.1781,  
140.2117, 152.9064

 25.8001, 21.8179,  
23.8254

186.0534,  
175.1692, 191.0076

 16.8060, 13.7232,  
14.9932

227.2302,  
215.5019, 234.9641

 10.1907, 7.9284,  
8.6680

274.0741,  
261.5940, 285.1947

 5.5888, 4.0492,  
4.4314


326.9502,


 2.6350, 1.7011,


313.8301, 342.1177


1.8649


386.2240,  
372.5944, 406.1518


 0.9638, 0.4244,  
0.4703


 0.0000, 0.0000,  
0.0000

 70.7083, 63.7459,  
69.5502


 70.7083, 63.7459,  
69.5502

 63.4628, 52.6536,  
56.6558


 79.1547, 76.8324,  
84.0986

 57.3570, 43.4488,  
45.3514

 88.8486, 91.9956,  
100.3538

 52.3325, 36.0278,  
35.5745

 93.5940, 99.2494,  
108.8319

 48.3231, 30.2734,  
27.2569

■ 45.2551, 26.0544,  
20.3247

■ 43.0444, 23.2195,  
14.6968

■ 41.5903, 21.5860,  
10.2821

■ 40.9035, 20.9572,  
7.7571

# Harmonies

## Analogous

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



69.2647, 63.7459, 84.2279



70.7083, 63.7459, 69.5502



69.3188, 63.7459, 56.6520

# Triad

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



70.7083, 63.7459, 69.5502



55.9532, 63.7459, 48.1549



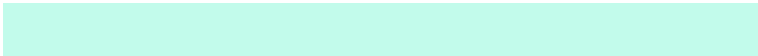
55.8720, 63.7459, 95.9677

# Complementary

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



70.7083, 63.7459, 69.5502



71.7433, 86.4635, 91.5093

# 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.



52.6240, 63.7459, 83.9490



70.7083, 63.7459, 69.5502



52.6690, 63.7459, 56.4380

# Square

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



70.7083, 63.7459, 69.5502



60.6380, 63.7459, 45.3778



51.4836, 63.7459, 69.2669



60.5391, 63.7459, 100.7046



# Rectangle

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



70.7083, 63.7459, 69.5502



67.0140, 63.7459, 50.4731



51.4836, 63.7459, 69.2669



54.5875, 63.7459, 92.5707

# Sweetspot

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



70.7101, 63.7488, 69.5515



87.6186, 88.3357, 96.5626



70.9180, 63.1883, 99.7263



18.6234, 18.7031, 20.4496



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.



70.7101, 63.7488, 69.5515



69.9071, 60.8717, 66.1220



71.6791, 68.7183, 60.5285



17.4448, 17.3053, 18.9321



21.5536, 11.0371, 4.3575



2.0394, 1.0395, 0.6307



# Inverse Universe

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



70.7101, 63.7488, 69.5515



69.9071, 60.8717, 66.1220



70.4271, 79.9646, 102.9903



17.4448, 17.3053, 18.9321



21.5536, 11.0371, 4.3575



2.0394, 1.0395, 0.6307



# Previews

## White Background



This preview shows how the XYZ color 70.7083, 63.7459, 69.5502 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

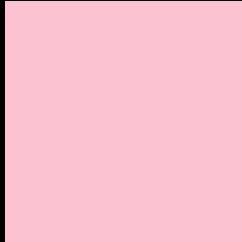
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.7083, 63.7459, 69.5502 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

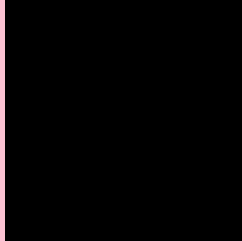
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 70.7083, 63.7459, 69.5502

## Background



This preview shows how black text looks on a background with the XYZ color 70.7083, 63.7459, 69.5502.



This preview shows how white text looks on a background with the XYZ color 70.7083, 63.7459,



# 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

70.7083, 63.7459, 69.5502

### Protanopia

61.7891, 63.8753, 75.4022

### Deuteranopia

65.3742, 64.0889, 68.5993



## Tritanopia

70.5841, 63.6963, 68.8960

# Trichromacy



## Original Color

70.7083, 63.7459, 69.5502

## Protanomaly

64.6730, 63.6257, 73.1623

## Deuteranomaly

67.4228, 64.0891, 69.1385

## Tritanomaly

70.5841, 63.6963, 68.8960

# Monochromacy



## Original Color

70.7083, 63.7459, 69.5502

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

65.6335, 65.2270, 71.4182

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.7083, 63.7459, 69.5502 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(251, 194, 210)` looks like.

```
.text, #text, p{  
    color:rgb(251, 194, 210)  
}
```

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(251, 194, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 194, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 70.7083, 63.7459, 69.5502 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(251, 194, 210) }
```



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

```
.border{ border-color:rgb(251, 194, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 194, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 194, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 194, 210);  
box-shadow:4px 4px 4px 4px rgb(251, 194,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.7083, 63.7459, 69.5502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 194, 210) }
```

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

```
.background{ background-color: rgb(251,  
194, 210) }
```

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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