

# Converting Colors

XYZ(70.7288, 67.9871, 74.8432)

Have a look what the booklet for  
XYZ(70.7288, 67.9871, 74.8432)  
contains.

<b>XYZ(70.7724, 68.1607, 75.0719)</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(70.7724, 68.1607,  
75.0719)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F0CFD9
RGB	240, 207, 217
RGB Percent	94%, 81%, 85%
CMY	0.0588, 0.1882, 0.1490
CMYK	0.00, 0.14, 0.10, 0.06
HSL	342°, 52%, 88%
HSV	342°, 14%, 94%
XYZ	70.7724, 68.1607, 75.0719
YIQ	218.0070, 16.4580, 10.1060

# Conversions

## Conversions Part 2

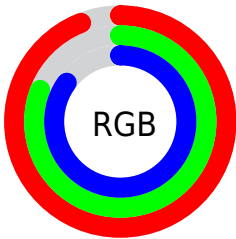
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 207, 217
Decimal	15781849
CIE Lab	86.09, 13.16, -0.67
CIE LCh	86, 13.176, 357.066
Yxy	68.1607, 0.3307, 0.3185
Android (android.graphics.Color)	4293971929 (0xFFFF0CFD9)
YUV	218.0070, -0.4965, 19.2879
Hunter-Lab	82.5595, 8.5363, 3.8789

# Details

The XYZ color **70.7724, 68.1607, 75.0719** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **71.1778, 81.3005, 86.8079**, and the grayscale version is **66.6424, 70.1130, 76.3531**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6800, 35.5814, 39.0644** is the 20% darker color. If you saturate the color by 10%, you get **63.3273, 56.5776, 62.3933**, and if you desaturate by 10%, it is **79.3257, 81.6056, 89.2099**.

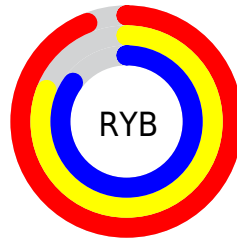
# Distribution



Red (94%)

Green (81%)

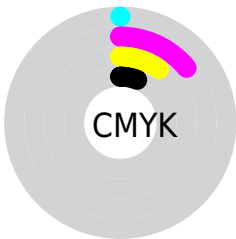
Blue (85%)



Red (94%)

Yellow (81%)

Blue (85%)

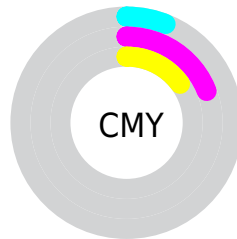


Cyan (0%)

Magenta (14%)

Yellow (10%)

Black (6%)



Cyan (6%)

Magenta (19%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7724, 68.1607, 75.0719 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 70.7724, 68.1607, 75.0719 by changing the saturation by 10% instead.



70.7724, 68.1607,  
75.0719

70.7724, 68.1607,  
75.0719

452.4816,  
454.0652, 497.4267

52.4383, 50.0285,  
55.1697

119.3299,  
116.5820, 128.1622

37.5803, 35.4360,  
39.1381

150.2840,  
147.6399, 162.1873

25.8328, 23.9989,  
26.5585

186.1755,  
183.7751, 201.7572

16.8306, 15.3328,  
17.0124

227.3698,  
225.3721, 247.2904

10.2084, 9.0533,  
10.0813

274.2322,  
272.8152, 299.2054

5.6007, 4.7760,  
5.3466

327.1281,

2.6421, 2.1164,

326.4888, 357.9207

2.3897

386.4228,  
386.7773, 423.8550

■ 0.9675, 0.6738,  
0.7809

■ 0.0000, 0.0000,  
0.0000

■ 70.7724, 68.1607,  
75.0719

■ 70.7724, 68.1607,  
75.0719

■ 63.3273, 56.5776,  
62.3933

■ 79.3257, 81.6056,  
89.2099

■ 56.9385, 46.7652,  
51.1220

■ 89.0231, 96.9765,  
104.8477

■ 51.5581, 38.6380,  
41.2092

■ 89.7455, 97.2654,  
108.6518

■ 47.1323, 32.1002,  
32.6014

■ 43.6023, 27.0460,  
25.2412

■ 40.9022, 23.3566,  
19.0667

■ 38.9564, 20.8949,  
14.0100

■ 37.6742, 19.4943,  
9.9944

■ 37.1284, 19.0026,  
7.9635

# Harmonies

## Analogous

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



69.7930, 68.1607, 83.6509



70.7724, 68.1607, 75.0719



70.1065, 68.1607, 66.8869

# Triad

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



70.7724, 68.1607, 75.0719



62.1725, 68.1607, 60.3407



61.6719, 68.1607, 89.1016

# Complementary

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



70.7724, 68.1607, 75.0719



71.1778, 81.3005, 86.8079

# 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.



59.7392, 68.1607, 82.0606



70.7724, 68.1607, 75.0719



60.0219, 68.1607, 65.5175

# Square

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



70.7724, 68.1607, 75.0719



65.0831, 68.1607, 58.7833



59.1446, 68.1607, 73.3655



64.4872, 68.1607, 92.1365



# Rectangle

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



70.7724, 68.1607, 75.0719



68.8303, 68.1607, 62.6692



59.1446, 68.1607, 73.3655



60.9008, 68.1607, 87.0993

# Sweetspot

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



70.7743, 68.1637, 75.0733



90.7581, 93.2144, 101.9262



70.5322, 67.6688, 91.7828



19.2583, 19.6871, 21.5423



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

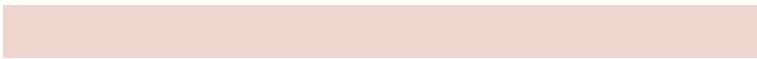
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.7743, 68.1637, 75.0733



79.1417, 74.9762, 82.6558



71.0068, 70.6468, 68.9289



15.9699, 15.8377, 17.3977



20.3760, 10.4228, 4.6308



1.7376, 0.8841, 0.6092



# Inverse Universe

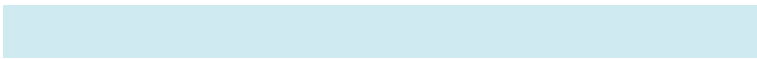
The Inverse Universe completely reimagines the original color for something new.



70.7743, 68.1637, 75.0733



79.1417, 74.9762, 82.6558



70.8712, 78.3758, 93.8316



15.9699, 15.8377, 17.3977



20.3760, 10.4228, 4.6308

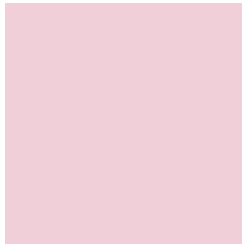


1.7376, 0.8841, 0.6092



# Previews

## White Background



This preview shows how the XYZ color 70.7724, 68.1607, 75.0719 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

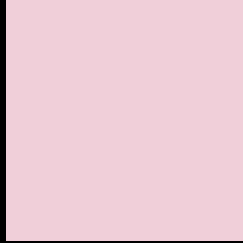
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.7724, 68.1607, 75.0719 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

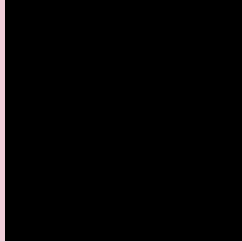
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 70.7724, 68.1607, 75.0719**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.7724, 68.1607, 75.0719.



This preview shows how white text looks on a background with the XYZ color 70.7724, 68.1607,

75.0719.

# 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

70.7724, 68.1607, 75.0719

### Protanopia

66.0112, 68.2190, 78.0950

### Deuteranopia

69.9169, 68.4435, 75.1715



## Tritanopia

71.5318, 68.1173, 78.4851

# Trichromacy



## Original Color

70.7724, 68.1607, 75.0719

## Protanomaly

67.5766, 67.9246, 77.2592

## Deuteranomaly

70.0053, 68.1260, 75.1056

## Tritanomaly

71.2652, 68.0107, 77.0814

# Monochromacy



## Original Color

70.7724, 68.1607, 75.0719

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

68.0655, 69.3238, 76.1231

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.7724, 68.1607, 75.0719 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(240, 207, 217) looks like.

```
.text, #text, p{  
    color:rgb(240, 207, 217)  
}
```

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(240, 207, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 207, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 70.7724, 68.1607, 75.0719 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(240, 207, 217) }
```



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

```
.border{ border-color:rgb(240, 207, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 207, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 207, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 207, 217);  
box-shadow:4px 4px 4px 4px rgb(240, 207,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.7724, 68.1607, 75.0719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 207, 217) }
```

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

```
.background{ background-color: rgb(240,  
207, 217) }
```

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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