

# Converting Colors

XYZ(70.7100, 66.0070, 74.6543)

Have a look what the booklet for  
XYZ(70.7100, 66.0070, 74.6543)  
contains.

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# Color

**XYZ(70.7193, 66.0161,  
74.6607)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4C9D9
RGB	244, 201, 217
RGB Percent	96%, 79%, 85%
CMY	0.0431, 0.2117, 0.1490
CMYK	0.00, 0.18, 0.11, 0.04
HSL	338°, 66%, 87%
HSV	338°, 18%, 96%
XYZ	70.7193, 66.0161, 74.6607
YIQ	215.6810, 20.4920, 14.0920

# Conversions

## Conversions Part 2

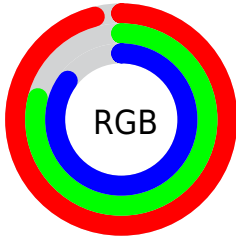
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 201, 217
Decimal	16042457
CIE <sub>Lab</sub>	85.00, 17.71, -2.22
CIE <sub>LCh</sub>	85, 17.848, 352.865
Yxy	66.0161, 0.3345, 0.3123
Android (android.graphics.Color)	4294232537 (0xFFFF4C9D9)
YUV	215.6810, 0.6503, 24.8358
Hunter-Lab	81.2503, 13.1763, 2.3938

# Details

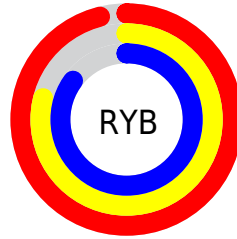
The XYZ color **70.7193, 66.0161, 74.6607** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **70.4443, 82.7222, 85.6570**, and the grayscale version is **65.0407, 68.4279, 74.5180**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.4488, 34.0409, 38.7792** is the 20% darker color. If you saturate the color by 10%, you get **63.5757, 54.7710, 62.8990**, and if you desaturate by 10%, it is **78.9552, 79.1480, 87.7010**.

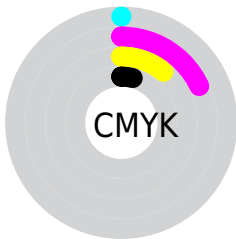
# Distribution



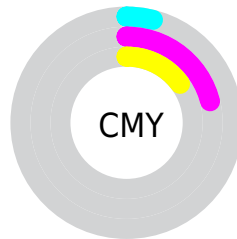
- Red (96%)
- Green (79%)
- Blue (85%)



- Red (96%)
- Yellow (79%)
- Blue (85%)



- Cyan (0%)
- Magenta (18%)
- Yellow (11%)
- Black (4%)



- Cyan (4%)
- Magenta (21%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7193, 66.0161, 74.6607 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 70.7193, 66.0161, 74.6607 by changing the saturation by 10% instead.



70.7193, 66.0161,  
74.6607

70.7193, 66.0161,  
74.6607

452.2987,  
446.4345, 495.9748

52.3949, 48.2855,  
54.8349

119.2546,  
113.5094, 127.5746

37.5455, 34.0530,  
38.8719

150.1963,  
144.0409, 161.4998

25.8057, 22.9343,  
26.3530

186.0743,  
179.6082, 200.9620

16.8103, 14.5450,  
16.8598

227.2542,  
220.5956, 246.3795

10.1938, 8.5007,  
9.9737

274.1012,  
267.3875, 298.1710

5.5909, 4.4170,  
5.2761

326.9807,

2.6362, 1.9094,

320.3684, 356.7551

2.3486

386.2581,  
379.9226, 422.5501

■ 0.9644, 0.5540,  
0.7583

■ 0.0000, 0.0000,  
0.0000

■ 70.7193, 66.0161,  
74.6607

■ 70.7193, 66.0161,  
74.6607

■ 63.5757, 54.7710,  
62.8990

■ 78.9552, 79.1480,  
87.7010

■ 57.4711, 45.3169,  
52.3712

■ 88.3224, 94.2393,  
102.0545

■ 52.3564, 37.5625,  
43.0358

■ 91.1187, 97.9733,  
108.7160

■ 48.1756, 31.4051,  
34.8471

■ 44.8674, 26.7309,  
27.7563

■ 42.3621, 23.4107,  
21.7102

■ 40.5787, 21.2925,  
16.6499

■ 39.4110, 20.1751,  
12.5060

■ 39.1874, 19.9848,  
11.6390

# Harmonies

## Analogous

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



69.1017, 66.0161, 86.0653



70.7193, 66.0161, 74.6607



70.1290, 66.0161, 63.6303

# Triad

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



70.7193, 66.0161, 74.6607



59.7953, 66.0161, 53.3785



58.2019, 66.0161, 90.9783

# Complementary

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



70.7193, 66.0161, 74.6607



70.4443, 82.7222, 85.6570

# 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.



55.9009, 66.0161, 80.8143



70.7193, 66.0161, 74.6607



56.7931, 66.0161, 59.3464

# Square

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



70.7193, 66.0161, 74.6607



63.7098, 66.0161, 52.1050



55.3963, 66.0161, 69.1698



61.7926, 66.0161, 96.1159



# Rectangle

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



70.7193, 66.0161, 74.6607



68.5743, 66.0161, 57.8696



55.3963, 66.0161, 69.1698



57.2583, 66.0161, 87.9875

# Sweetspot

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



70.7212, 66.0190, 74.6621



89.8541, 91.6282, 100.9405



69.0600, 64.7231, 94.4419



19.0816, 19.3699, 21.3723



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.



70.7212, 66.0190, 74.6621



75.3325, 68.4837, 77.9152



69.9285, 67.6037, 64.6250



16.7541, 16.5845, 18.4515



21.3682, 10.8907, 6.6475



1.9260, 0.9764, 0.8369



# Inverse Universe

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



70.7212, 66.0190, 74.6621



75.3325, 68.4837, 77.9152



71.2804, 80.6743, 97.4038



16.7541, 16.5845, 18.4515



21.3682, 10.8907, 6.6475



1.9260, 0.9764, 0.8369



# Previews

## White Background



This preview shows how the XYZ color 70.7193, 66.0161, 74.6607 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

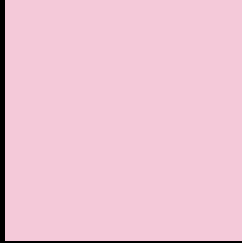
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.7193, 66.0161, 74.6607 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

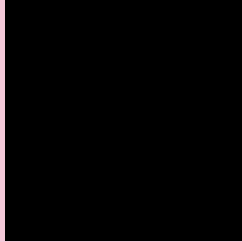
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 70.7193, 66.0161, 74.6607**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.7193, 66.0161, 74.6607.



This preview shows how white text looks on a background with the XYZ color 70.7193, 66.0161,



# 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

70.7193, 66.0161, 74.6607

### Protanopia

64.0541, 66.0624, 79.1873

### Deuteranopia

67.4210, 66.0894, 74.1688



## Tritanopia

70.7193, 66.0161, 74.6607

# Trichromacy



## Original Color

70.7193, 66.0161, 74.6607

## Protanomaly

66.1044, 65.6934, 77.6026

## Deuteranomaly

68.5796, 65.9765, 74.0859

## Tritanomaly

70.7193, 66.0161, 74.6607

# Monochromacy



## Original Color

70.7193, 66.0161, 74.6607

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

67.0530, 67.7152, 74.5020

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.7193, 66.0161, 74.6607 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(244, 201, 217) looks like.

```
.text, #text, p{  
    color:rgb(244, 201, 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(244, 201, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 201, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 70.7193, 66.0161, 74.6607 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(244, 201, 217) }
```



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

```
.border{ border-color:rgb(244, 201, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 201, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 201, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 201, 217);  
box-shadow:4px 4px 4px 4px rgb(244, 201,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.7193, 66.0161, 74.6607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 201, 217) }
```

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

```
.background{ background-color: rgb(244,  
201, 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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