

# Converting Colors

XYZ(69.7716, 65.7718, 72.7171)

Have a look what the booklet for  
XYZ(69.7716, 65.7718, 72.7171)  
contains.

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# Color

**XYZ(69.8761, 65.9733,  
72.6696)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2CAD6
RGB	242, 202, 214
RGB Percent	95%, 79%, 84%
CMY	0.0510, 0.2078, 0.1608
CMYK	0.00, 0.17, 0.12, 0.05
HSL	342°, 61%, 87%
HSV	342°, 17%, 95%
XYZ	69.8761, 65.9733, 72.6696
YIQ	215.3280, 19.9880, 12.2120

# Conversions

## Conversions Part 2

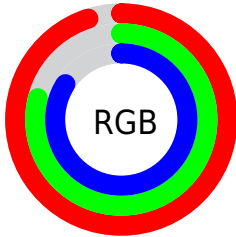
Format	Color
R <sub>Y</sub> B	242, 202, 214
Decimal	15911638
CIE Lab	84.98, 16.00, -0.67
CIE LCh	85, 16.010, 357.592
Yxy	65.9733, 0.3351, 0.3164
Android (android.graphics.Color)	4294101718 (0xFFFF2CAD6)
YUV	215.3280, -0.6547, 23.3913
Hunter-Lab	81.2239, 11.4197, 3.8111

# Details

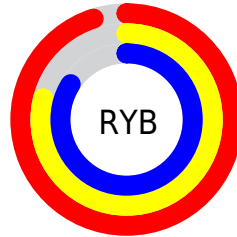
The XYZ color **69.8761, 65.9733, 72.6696** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **70.3948, 81.7758, 86.9409**, and the grayscale version is **64.8099, 68.1851, 74.2535**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.0976, 34.1221, 37.4319** is the 20% darker color. If you saturate the color by 10%, you get **62.5849, 54.6748, 60.1139**, and if you desaturate by 10%, it is **78.2865, 79.1484, 86.7103**.

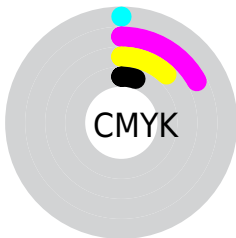
# Distribution



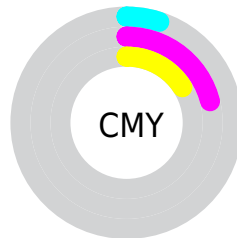
- Red (95%)
- Green (79%)
- Blue (84%)



- Red (95%)
- Yellow (79%)
- Blue (84%)



- Cyan (0%)
- Magenta (17%)
- Yellow (12%)
- Black (5%)



- Cyan (5%)
- Magenta (21%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8761, 65.9733, 72.6696 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 69.8761, 65.9733, 72.6696 by changing the saturation by 10% instead.



69.8761, 65.9733,  
72.6696

69.8761, 65.9733,  
72.6696

449.3881,  
446.2814, 488.9089

51.7048, 48.2507,  
53.2157

118.0593,  
113.4480, 124.7246

36.9931, 34.0255,  
37.5861

148.8018,  
143.9689, 158.1628

25.3758, 22.9132,  
25.3622

184.4655,  
179.5248, 197.0994

16.4875, 14.5294,  
16.1257

225.4156,  
220.4999, 241.9531

9.9628, 8.4898,  
9.4578

272.0176,  
267.2788, 293.1424

5.4364, 4.4099,  
4.9401

324.6368,

2.5429, 1.9054,

320.2457, 351.0857

2.1540

383.6385,  
379.7851, 416.2017

■ 0.9169, 0.5516,  
0.6477

■ 0.0000, 0.0000,  
0.0000

■ 69.8761, 65.9733,  
72.6696

■ 69.8761, 65.9733,  
72.6696

■ 62.5849, 54.6748,  
60.1139

■ 78.2865, 79.1484,  
86.7103

■ 56.3591, 45.1587,  
48.9890

■ 87.8556, 94.2713,  
102.2791

■ 51.1487, 37.3356,  
39.2437

■ 90.4283, 97.6174,  
108.6837

■ 46.8974, 31.1051,  
30.8219

■ 43.5431, 26.3558,  
23.6631

■ 41.0160, 22.9621,  
17.7021

■ 39.2355, 20.7770,  
12.8666

■ 38.1015, 19.6167,  
9.0740

■ 37.8072, 19.3530,  
7.9739

# Harmonies

## Analogous

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



68.7306, 65.9733, 82.9864



69.8761, 65.9733, 72.6696



69.0402, 65.9733, 63.0406

# Triad

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



69.8761, 65.9733, 72.6696



59.5551, 65.9733, 55.6633



59.0698, 65.9733, 89.8964

# Complementary

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



69.8761, 65.9733, 72.6696



70.3948, 81.7758, 86.9409

# 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.



56.7709, 65.9733, 81.4086



69.8761, 65.9733, 72.6696



57.0435, 65.9733, 61.7279

# Square

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



69.8761, 65.9733, 72.6696



62.9968, 65.9733, 53.7979



56.0433, 65.9733, 71.0043



62.4153, 65.9733, 93.5076



# Rectangle

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



69.8761, 65.9733, 72.6696



67.4889, 65.9733, 58.1729



56.0433, 65.9733, 71.0043



58.1539, 65.9733, 87.4814

# Sweetspot

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



69.8780, 65.9762, 72.6710



89.7125, 91.5716, 100.1951



69.7830, 65.4780, 92.9659



19.0473, 19.3561, 21.1915



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.



69.8780, 65.9762, 72.6710



75.6581, 69.5758, 76.6644



70.3274, 69.2375, 65.5381



15.9679, 15.8369, 17.3872



20.3627, 10.4175, 4.5604



1.7363, 0.8836, 0.6022



# Inverse Universe

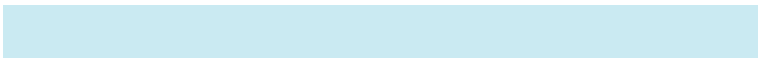
The Inverse Universe completely reimagines the original color for something new.



69.8780, 65.9762, 72.6710



75.6581, 69.5758, 76.6644



69.8092, 77.8150, 95.3458



15.9679, 15.8369, 17.3872



20.3627, 10.4175, 4.5604

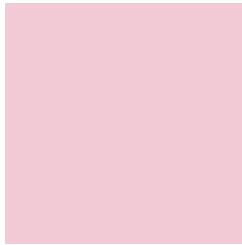


1.7363, 0.8836, 0.6022



# Previews

## White Background



This preview shows how the XYZ color 69.8761, 65.9733, 72.6696 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

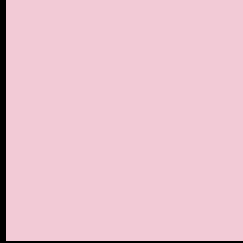
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.8761, 65.9733, 72.6696 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 69.8761, 65.9733, 72.6696**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.8761, 65.9733, 72.6696.



This preview shows how white text looks on a background with the XYZ color 69.8761, 65.9733,

72.6696.

# 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

69.8761, 65.9733, 72.6696

### Protanopia

63.8120, 65.9991, 76.3937

### Deuteranopia

67.3603, 66.1025, 72.1596



## Tritanopia

70.0290, 65.6603, 74.6284

# Trichromacy



## Original Color

69.8761, 65.9733, 72.6696

## Protanomaly

65.8207, 65.9688, 74.9098

## Deuteranomaly

68.4336, 66.2996, 72.1411

## Tritanomaly

69.8993, 65.6084, 73.9453

# Monochromacy



## Original Color

69.8761, 65.9733, 72.6696

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

66.3637, 67.0070, 73.7259

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.8761, 65.9733, 72.6696 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(242, 202, 214)` looks like.

```
.text, #text, p{  
    color:rgb(242, 202, 214)  
}
```

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(242, 202, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 202, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 69.8761, 65.9733, 72.6696 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(242, 202, 214) }
```



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

```
.border{ border-color:rgb(242, 202, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 202, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 202, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 202, 214);  
box-shadow:4px 4px 4px 4px rgb(242, 202,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.8761, 65.9733, 72.6696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 202, 214) }
```

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

```
.background{ background-color: rgb(242,  
202, 214) }
```

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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