

# Converting Colors

XYZ(78.7944, 71.8588, 67.9550)

Have a look what the booklet for  
XYZ(78.7944, 71.8588, 67.9550)  
contains.

<b>XYZ(74.2119, 69.3789, 67.8726)</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(74.2119, 69.3789,  
67.8726)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFCDCE
RGB	255, 205, 206
RGB Percent	100%, 80%, 81%
CMY	0.0000, 0.1961, 0.1922
CMYK	0.00, 0.20, 0.19, 0.00
HSL	359°, 100%, 90%
HSV	359°, 20%, 100%
XYZ	74.2119, 69.3789, 67.8726
YIQ	220.0640, 29.4790, 10.9110

# Conversions

## Conversions Part 2

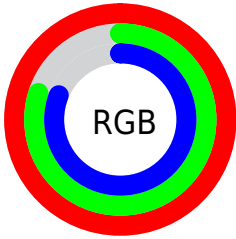
Format	Color
R <sub>Y</sub> B	255, 205, 206
Decimal	16764366
CIE Lab	86.69, 17.78, 6.21
CIE LCh	87, 18.831, 19.244
Yxy	69.3789, 0.3509, 0.3281
Android (android.graphics.Color)	4294954446 (0xFFFFCDCE)
YUV	220.0640, -6.9336, 30.6389
Hunter-Lab	83.2940, 13.2725, 9.9930

# Details

The XYZ color **74.2119, 69.3789, 67.8726** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **78.8287, 91.6561, 107.3066**, and the grayscale version is **68.1061, 71.6529, 78.0301**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.0228, 36.4060, 34.6234** is the 20% darker color. If you saturate the color by 10%, you get **65.8032, 57.0401, 51.2626**, and if you desaturate by 10%, it is **84.1008, 83.9050, 87.3594**.

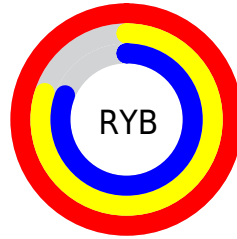
# Distribution



Red (100%)

Green (80%)

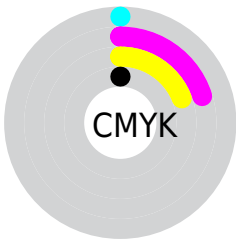
Blue (81%)



Red (100%)

Yellow (80%)

Blue (81%)

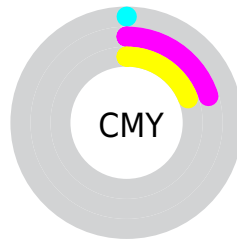


Cyan (0%)

Magenta (20%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (20%)


Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.2119, 69.3789, 67.8726 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 74.2119, 69.3789, 67.8726 by changing the saturation by 10% instead.




 74.2119, 69.3789,  
67.8726

 74.2119, 69.3789,  
67.8726

464.2434,  
458.3662, 471.6303

 55.2594, 51.0203,  
49.3281


124.1900,  
118.3226, 117.8224

 39.8441, 36.2248,  
34.5123


155.9464,  
149.6765, 150.0647

 27.6007, 24.6079,  
23.0069


192.7013,  
186.1310, 187.7099

 18.1638, 15.7851,  
14.3933

234.8203,  
228.0705, 231.1768

 11.1680, 9.3722,  
8.2528

282.6687,  
275.8794, 280.8837

 6.2481, 4.9848,  
4.1671

336.6117,

 3.0386, 2.2383,

329.9420, 337.2492

1.7174

397.0149,  
390.6428, 400.6919

■ 1.1742, 0.7408,  
0.3726

■ 0.0859, 0.0000,  
0.0000

■ 74.2119, 69.3789,  
67.8726

■ 74.2119, 69.3789,  
67.8726

■ 65.8032, 57.0401,  
51.2626

■ 84.1008, 83.9050,  
87.3594

■ 58.7988, 46.7741,  
37.3892

95.0500, 100.0000,  
108.9000

■ 53.1238, 38.4701,  
26.1069

■ 48.6941, 32.0030,  
17.2551

■ 45.4161, 27.2336,  
10.6553

■ 43.1832, 24.0025,  
6.1044

■ 41.8688, 22.1206,  
3.3631

■ 41.2841, 21.2951,  
2.1085

■ 41.2678, 21.2711,  
2.0764

# Harmonies

## Analogous

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



74.5613, 69.3789, 80.1298



74.2119, 69.3789, 67.8726



71.5909, 69.3789, 58.7150

# Triad

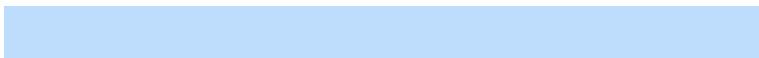
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.2119, 69.3789, 67.8726



59.7705, 69.3789, 60.8736



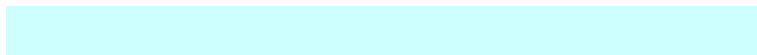
64.3844, 69.3789, 101.7822

# Complementary

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



74.2119, 69.3789, 67.8726



78.8287, 91.6561, 107.3066

# 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.



60.5994, 69.3789, 95.3107



74.2119, 69.3789, 67.8726



58.0150, 69.3789, 71.1324

# Square

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



74.2119, 69.3789, 67.8726



63.2073, 69.3789, 54.9939



58.3115, 69.3789, 83.7681



68.7556, 69.3789, 100.6599



# Rectangle

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



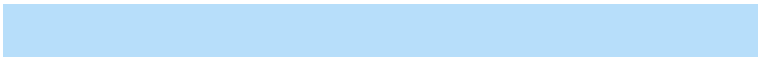
74.2119, 69.3789, 67.8726



68.9703, 69.3789, 55.1701



58.3115, 69.3789, 83.7681



63.0048, 69.3789, 100.3969

# Sweetspot

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



74.2136, 69.3819, 67.8740



88.0407, 89.6952, 95.1143



80.5124, 71.8309, 104.2290



18.6883, 18.9692, 20.0514



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

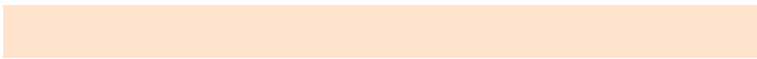
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.2136, 69.3819, 67.8740



70.3397, 63.6956, 60.2278



80.0963, 81.3403, 69.2403



18.0241, 17.9929, 18.7438



21.5696, 11.1172, 1.1183



2.1051, 1.0844, 0.1348



# Inverse Universe

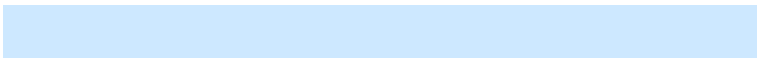
The Inverse Universe completely reimagines the original color for something new.



74.2136, 69.3819, 67.8740



70.3397, 63.6956, 60.2278



71.9923, 77.7274, 105.8162



18.0241, 17.9929, 18.7438



21.5696, 11.1172, 1.1183



2.1051, 1.0844, 0.1348



# Previews

## White Background



This preview shows how the XYZ color 74.2119, 69.3789, 67.8726 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

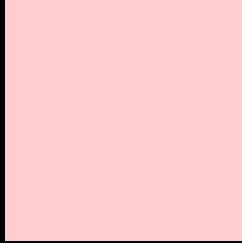
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.2119, 69.3789, 67.8726 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 74.2119, 69.3789, 67.8726**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.2119, 69.3789, 67.8726.



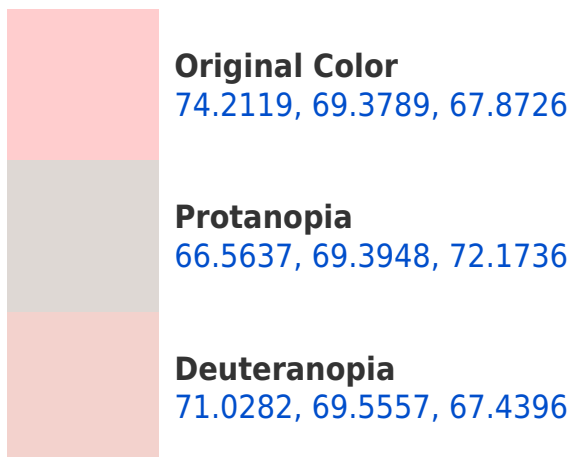
This preview shows how white text looks on a background with the XYZ color 74.2119, 69.3789,

67.8726.

# 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





## Tritanopia

75.6190, 69.5602, 76.4587

# Trichromacy



## Original Color

74.2119, 69.3789, 67.8726

## Protanomaly

69.1080, 69.2325, 70.6936

## Deuteranomaly

71.9331, 69.2937, 67.3413

## Tritanomaly

74.9705, 69.3008, 73.0433

# Monochromacy



## Original Color

74.2119, 69.3789, 67.8726

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

70.1705, 70.8308, 74.2633

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.2119, 69.3789, 67.8726 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, 205, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 206)  
}
```

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, 205, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 74.2119, 69.3789, 67.8726 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, 205, 206) }
```



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

```
.border{ border-color:rgb(255, 205, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 205, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.2119, 69.3789, 67.8726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 206) }
```

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

```
.background{ background-color: rgb(255,  
205, 206) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor