

# Converting Colors

XYZ(84.6355, 73.9093, 83.6012)

Have a look what the booklet for  
XYZ(84.6355, 73.9093, 83.6012)  
contains.

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# Color

**XYZ(76.9757, 70.1029,  
83.6029)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCCE5
RGB	255, 204, 229
RGB Percent	100%, 80%, 90%
CMY	0.0000, 0.2000, 0.1020
CMYK	0.00, 0.20, 0.10, 0.00
HSL	331°, 100%, 90%
HSV	331°, 20%, 100%
XYZ	76.9757, 70.1029, 83.6029
YIQ	222.0990, 22.3710, 18.5870

# Conversions

## Conversions Part 2

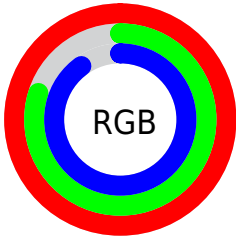
Format	Color
R <sub>Y</sub> B	255, 204, 229
Decimal	16764133
CIE Lab	87.05, 21.89, -5.47
CIE LCh	87, 22.564, 345.964
Yxy	70.1029, 0.3337, 0.3039
Android (android.graphics.Color)	4294954213 (0xFFFFCCE5)
YUV	222.0990, 3.4022, 28.8542
Hunter-Lab	83.7275, 17.5827, -0.5926

# Details

The XYZ color **76.9757, 70.1029, 83.6029** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **74.9471, 90.0717, 88.3018**, and the grayscale version is **69.4682, 73.0860, 79.5907**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8350, 36.8745, 44.9569** is the 20% darker color. If you saturate the color by 10%, you get **69.6560, 58.2605, 72.5402**, and if you desaturate by 10%, it is **85.4269, 83.9900, 95.7154**.

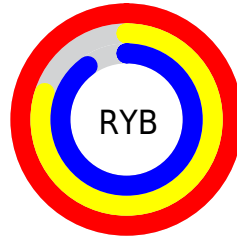
# Distribution



Red (100%)

Green (80%)

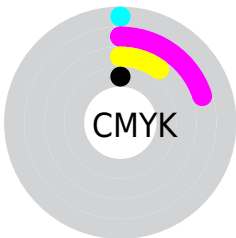
Blue (90%)



Red (100%)

Yellow (80%)

Blue (90%)

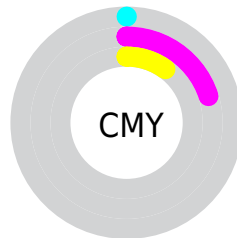


Cyan (0%)

Magenta (20%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (20%)


Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.9757, 70.1029, 83.6029 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 76.9757, 70.1029, 83.6029 by changing the saturation by 10% instead.



 76.9757, 70.1029,  
83.6029

 76.9757, 70.1029,  
83.6029


473.5744,  
460.9112, 527.0172

 57.5328, 51.6104,  
62.1441


128.0782,  
119.3555, 140.2763

 41.6750, 36.6946,  
44.7126

160.4685,  
150.8844, 176.3281

 29.0369, 24.9712,  
30.8898


197.9053,  
187.5276, 218.0812

 19.2531, 16.0556,  
20.2572

240.7540,  
229.6694, 265.9544

 11.9584, 9.5635,  
12.3962

289.3799,  
277.6943, 320.3660

 6.7874, 5.1105,  
6.8883

344.1483,

 3.3746, 2.3122,

331.9866, 381.7346

3.3150

405.4247,  
392.9308, 450.4788

■ 1.3548, 0.7802,  
1.2576

■ 0.2237, 0.0000,  
0.0267

■ 76.9757, 70.1029,  
83.6029

■ 76.9757, 70.1029,  
83.6029

■ 69.6560, 58.2605,  
72.5402

■ 85.4269, 83.9900,  
95.7154

■ 63.4117, 48.3562,  
62.4912

95.0500, 100.0000,  
108.9000

■ 58.1890, 40.2875,  
53.4238

■ 53.9276, 33.9382,  
45.3023

■ 50.5600, 29.1791,  
38.0878

■ 48.0097, 25.8624,  
31.7380

■ 46.1856, 23.8119,  
26.2048

■ 44.9414, 22.7407,  
21.4208

■ 44.9411, 22.7404,  
21.4198

# Harmonies

## Analogous

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



74.2008, 70.1029, 98.3826



76.9757, 70.1029, 83.6029



76.8784, 70.1029, 68.6076

# Triad

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



76.9757, 70.1029, 83.6029



63.8766, 70.1029, 51.6446



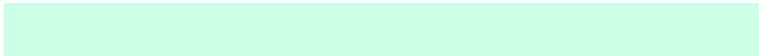
59.8184, 70.1029, 99.2045

# Complementary

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



76.9757, 70.1029, 83.6029



74.9471, 90.0717, 88.3018

# 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.



57.3367, 70.1029, 84.6114



76.9757, 70.1029, 83.6029



59.5938, 70.1029, 57.8469

# Square

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



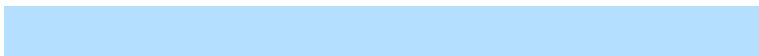
76.9757, 70.1029, 83.6029



69.1240, 70.1029, 51.4497



57.2568, 70.1029, 69.4919



64.1981, 70.1029, 108.1631



# Rectangle

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



76.9757, 70.1029, 83.6029



75.1923, 70.1029, 60.4930



57.2568, 70.1029, 69.4919



58.7450, 70.1029, 94.7151

# Sweetspot

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



76.9774, 70.1058, 83.6044



89.1312, 90.1314, 100.8565



72.1182, 67.1495, 103.7679



18.9454, 19.0720, 21.4051



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.



76.9774, 70.1058, 83.6044



73.9144, 65.1255, 79.0521



73.7341, 68.8086, 66.5257



18.3805, 18.1355, 20.6208



23.5577, 11.9124, 11.5871



2.3487, 1.1819, 1.4178



# Inverse Universe

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



76.9774, 70.1058, 83.6044



73.9144, 65.1255, 79.0521



78.7135, 91.5782, 108.1355



18.3805, 18.1355, 20.6208



23.5577, 11.9124, 11.5871



2.3487, 1.1819, 1.4178



# Previews

## White Background



This preview shows how the XYZ color 76.9757, 70.1029, 83.6029 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

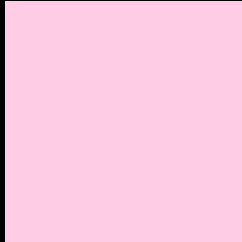
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.9757, 70.1029, 83.6029 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

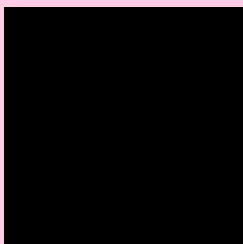
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 76.9757, 70.1029, 83.6029**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.9757, 70.1029, 83.6029.



This preview shows how white text looks on a background with the XYZ color 76.9757, 70.1029,



# 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

76.9757, 70.1029, 83.6029

### Protanopia

68.7142, 70.4918, 90.1054

### Deuteranopia

71.8080, 70.3506, 83.1931



## Tritanopia

75.7555, 69.9539, 77.9163

# Trichromacy



## Original Color

76.9757, 70.1029, 83.6029

## Protanomaly

71.3498, 70.0164, 87.5959

## Deuteranomaly

73.4220, 70.0796, 83.0557

## Tritanomaly

76.1589, 70.1153, 80.0406

# Monochromacy



## Original Color

76.9757, 70.1029, 83.6029

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

71.8227, 71.5295, 81.2553

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.9757, 70.1029, 83.6029 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, 204, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 229)  
}
```

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, 204, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 76.9757, 70.1029, 83.6029 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, 204, 229) }
```



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

```
.border{ border-color:rgb(255, 204, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 204, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.9757, 70.1029, 83.6029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 229) }
```

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

```
.background{ background-color: rgb(255,  
204, 229) }
```

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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