

# Converting Colors

XYZ(76.7956, 73.8290, 93.4219)

Have a look what the booklet for  
XYZ(76.7956, 73.8290, 93.4219)  
contains.

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# Color

**XYZ(76.7956, 73.8290,  
93.4219)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F2D7F1
RGB	242, 215, 241
RGB Percent	95%, 84%, 95%
CMY	0.0510, 0.1568, 0.0549
CMYK	0.00, 0.11, 0.00, 0.05
HSL	302°, 51%, 90%
HSV	302°, 11%, 95%
XYZ	76.7956, 73.8290, 93.4219
YIQ	226.0370, 7.7460, 13.8100

# Conversions

## Conversions Part 2

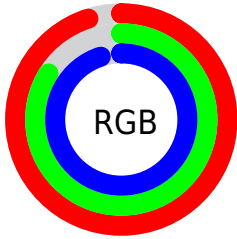
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 215, 241
Decimal	15914993
CIE Lab	88.84, 13.79, -9.28
CIE LCh	89, 16.627, 326.052
Yxy	73.8290, 0.3147, 0.3025
Android (android.graphics.Color)	4294105073 (0xFFFF2D7F1)
YUV	226.0370, 7.3768, 13.9996
Hunter-Lab	85.9238, 9.1702, -4.3172

# Details

The XYZ color **76.7956, 73.8290, 93.4219** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **72.1740, 82.9114, 77.1693**, and the grayscale version is **72.2618, 76.0250, 82.7912**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5775, 39.0835, 51.2514** is the 20% darker color. If you saturate the color by 10%, you get **70.9506, 62.3518, 90.8152**, and if you desaturate by 10%, it is **83.5570, 87.1358, 96.3391**.

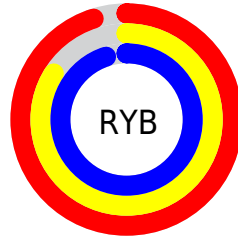
# Distribution



Red (95%)

Green (84%)

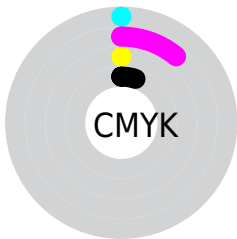
Blue (95%)



Red (95%)

Yellow (84%)

Blue (95%)

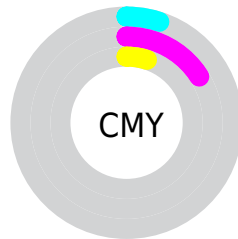


Cyan (0%)

Magenta (11%)

Yellow (0%)

Black (5%)



Cyan (5%)

Magenta (16%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.7956, 73.8290, 93.4219 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 76.7956, 73.8290, 93.4219 by changing the saturation by 10% instead.



76.7956, 73.8290,  
93.4219

76.7956, 73.8290,  
93.4219

472.9695,  
473.8830, 559.9552

57.3845, 54.6541,  
70.2326

127.8253,  
124.6534, 154.0593

41.5553, 39.1248,  
51.2382

160.1746,  
157.0716, 192.3446

28.9429, 26.8569,  
36.0202

197.5672,  
194.6731, 236.4989

19.1817, 17.4658,  
24.1600

240.3687,  
237.8423, 286.9408

11.9064, 10.5671,  
15.2390

288.9443,  
286.9634, 344.0888

6.7517, 5.7766,  
8.8388

343.6594,

3.3523, 2.7097,

342.4210, 408.3615

4.5408

404.8793,  
404.5994, 480.1775

■ 1.3427, 0.9821,  
1.9265

■ 0.2148, 0.0000,  
0.5095

■ 76.7956, 73.8290,  
93.4219

■ 76.7956, 73.8290,  
93.4219

■ 70.9506, 62.3518,  
90.8152

■ 83.5570, 87.1358,  
96.3391

■ 65.9757, 52.6148,  
88.5008

■ 88.5252, 96.8562,  
98.6610

■ 61.8303, 44.5356,  
86.4662

■ 88.6609, 96.9105,  
99.3753

■ 58.4678, 38.0214,  
84.6958

■ 88.7972, 96.9650,  
100.0931

■ 55.8373, 32.9700,  
83.1726

■ 88.9341, 97.0198,  
100.8143

■ 53.8818, 29.2676,  
81.8777

■ 89.0718, 97.0748,  
101.5391

■ 52.5357, 26.7830,  
80.7891

■ 89.2101, 97.1302,  
102.2674

■ 51.7207, 25.3594,  
79.8808

■ 89.3490, 97.1857,  
102.9992

■ 51.3314, 24.7627,  
79.1906

■ 89.4887, 97.2416,  
103.7344

# Harmonies

## Analogous

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



73.6293, 73.8290, 102.0080



76.7956, 73.8290, 93.4219



78.1864, 73.8290, 81.9241

# Triad

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



76.7956, 73.8290, 93.4219



70.7068, 73.8290, 60.2260



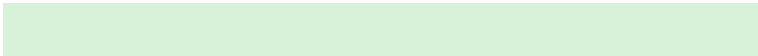
63.4412, 73.8290, 90.5285

# Complementary

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



76.7956, 73.8290, 93.4219



72.1740, 82.9114, 77.1693

# 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.



62.7253, 73.8290, 78.8697



76.7956, 73.8290, 93.4219



66.8252, 73.8290, 62.0601

# Square

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



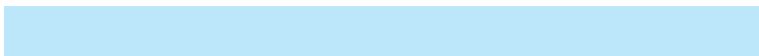
76.7956, 73.8290, 93.4219



74.5871, 73.8290, 63.3542



63.9411, 73.8290, 68.6251



65.9352, 73.8290, 100.2285



# Rectangle

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



76.7956, 73.8290, 93.4219



77.8820, 73.8290, 74.4081



63.9411, 73.8290, 68.6251



62.9889, 73.8290, 86.6784

# Sweetspot

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



76.7978, 73.8322, 93.4235



92.6123, 95.1976, 107.8624



68.6201, 69.5991, 93.8230



19.6869, 20.1084, 23.0288



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.



76.7978, 73.8322, 93.4235



85.1743, 80.5640, 104.6355



74.8690, 73.0607, 83.2668



16.4275, 16.0207, 19.8073



27.5870, 13.3072, 42.6033



2.3028, 1.1102, 3.5855



# Inverse Universe

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



76.7978, 73.8322, 93.4235



85.1743, 80.5640, 104.6355



73.9779, 83.6329, 86.6682



16.4275, 16.0207, 19.8073



27.5870, 13.3072, 42.6033

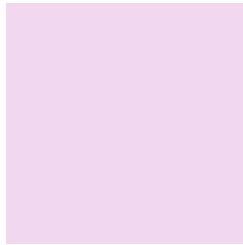


2.3028, 1.1102, 3.5855



# Previews

## White Background



This preview shows how the XYZ color 76.7956, 73.8290, 93.4219 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

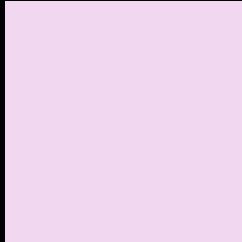
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.7956, 73.8290, 93.4219 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 76.7956, 73.8290, 93.4219**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.7956, 73.8290, 93.4219.



This preview shows how white text looks on a background with the XYZ color 76.7956, 73.8290,



# 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

76.7956, 73.8290, 93.4219

### Protanopia

72.4215, 74.2073, 96.8926

### Deuteranopia

75.6151, 73.9811, 93.5135



## Tritanopia

75.5395, 73.6957, 87.3341

# Trichromacy



## Original Color

76.7956, 73.8290, 93.4219

## Protanomaly

73.9738, 73.8527, 95.9441

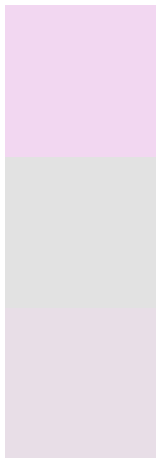
## Deuteranomaly

76.0297, 73.8133, 93.4593

## Tritanomaly

75.9718, 73.8686, 89.6108

# Monochromacy



## Original Color

76.7956, 73.8290, 93.4219

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

73.8238, 75.1679, 86.2192

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.7956, 73.8290, 93.4219 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, 215, 241)` looks like.

```
.text, #text, p{  
    color:rgb(242, 215, 241)  
}
```

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, 215, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 215, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 76.7956, 73.8290, 93.4219 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, 215, 241) }
```



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

```
.border{ border-color:rgb(242, 215, 241) }
```

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

Here you see how a box with a 4 pixel rgb(242, 215, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 215, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 215, 241);  
box-shadow:4px 4px 4px 4px rgb(242, 215,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.7956, 73.8290, 93.4219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 215, 241) }
```

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

```
.background{ background-color: rgb(242,  
215, 241) }
```

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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