

# Converting Colors

XYZ(80.6159, 76.3034,  
104.2873)

Have a look what the booklet for  
XYZ(80.6159, 76.3034, 104.2873)  
contains.

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# Color

**XYZ(80.7083, 76.3743,  
104.2539)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6D9FE
RGB	246, 217, 254
RGB Percent	96%, 85%, 100%
CMY	0.0353, 0.1490, 0.0039
CMYK	0.03, 0.15, 0.00, 0.00
HSL	287°, 95%, 92%
HSV	287°, 15%, 100%
XYZ	80.7083, 76.3743, 104.2539
YIQ	229.8890, 5.4070, 17.6550

# Conversions

## Conversions Part 2

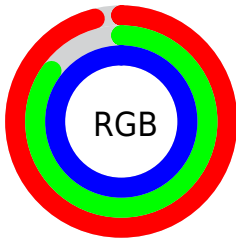
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 217, 254
Decimal	16177662
CIE Lab	90.03, 16.44, -14.31
CIE LCh	90, 21.792, 318.958
Yxy	76.3743, 0.3088, 0.2922
Android (android.graphics.Color)	4294367742 (0xFFFF6D9FE)
YUV	229.8890, 11.8867, 14.1293
Hunter-Lab	87.3924, 11.9110, -9.5548

# Details

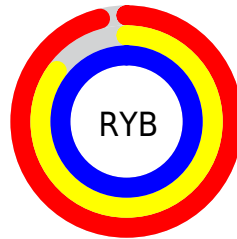
The XYZ color **80.7083, 76.3743, 104.2539** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **79.0203, 91.9029, 79.2237**, and the grayscale version is **75.0458, 78.9540, 85.9809**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.2336, 40.8190, 58.3708** is the 20% darker color. If you saturate the color by 10%, you get **72.7612, 63.2966, 102.1497**, and if you desaturate by 10%, it is **89.7245, 91.5030, 106.7000**.

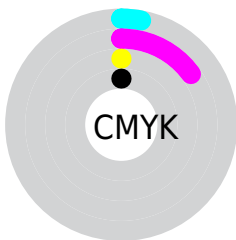
# Distribution



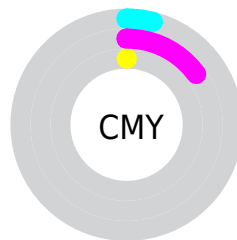
- Red (96%)
- Green (85%)
- Blue (100%)



- Red (96%)
- Yellow (85%)
- Blue (100%)



- Cyan (3%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (15%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.7083, 76.3743, 104.2539 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 80.7083, 76.3743, 104.2539 by changing the saturation by 10% instead.



80.7083, 76.3743,  
104.2539

80.7083, 76.3743,  
104.2539

486.0169,  
482.6280, 595.1094

60.6119, 56.7395,  
79.2213

133.3064,  
128.2559, 169.0935

44.1633, 40.7961,  
58.5554

166.5388,  
161.2714, 209.7376

30.9974, 28.1598,  
41.8376

204.8805,  
199.5160, 256.4225

20.7487, 18.4462,  
28.6496

248.6970,  
243.3740, 309.5669

13.0518, 11.2708,  
18.5726

298.3535,  
293.2298, 369.5892

7.5415, 6.2493,  
11.1882

354.2154,

3.8523, 2.9972,

349.4678, 436.9081

6.0778

416.6481,  
412.4724, 511.9419

■ 1.6189, 1.1303,  
2.8229

■ 0.4047, 0.0036,  
1.0049

■ 80.7083, 76.3743,  
104.2539

■ 80.7083, 76.3743,  
104.2539

■ 72.7612, 63.2966,  
102.1497

■ 89.7245, 91.5030,  
106.7000

■ 65.8299, 52.1681,  
100.3670

94.8896, 99.9358,  
108.0554

■ 59.8667, 42.8927,  
98.8909

■ 54.8173, 35.3624,  
97.7036

■ 50.6216, 29.4579,  
96.7850

■ 47.2119, 25.0446,  
96.1129

■ 44.5097, 21.9660,  
95.6611

■ 42.4184, 20.0302,  
95.3976

■ 41.4638, 19.3088,  
95.3087

# Harmonies

## Analogous

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



76.0174, 76.3743, 114.5743



80.7083, 76.3743, 104.2539



83.2675, 76.3743, 88.9857

# Triad

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



80.7083, 76.3743, 104.2539



74.5986, 76.3743, 57.2523



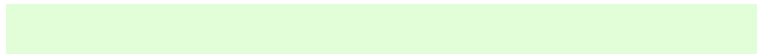
63.2070, 76.3743, 93.1988

# Complementary

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



80.7083, 76.3743, 104.2539



79.0203, 91.9029, 79.2237

# Split Complementary

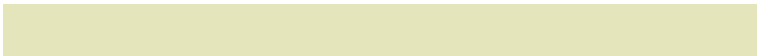
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



62.8693, 76.3743, 77.5917



80.7083, 76.3743, 104.2539



69.2701, 76.3743, 58.0846

# Square

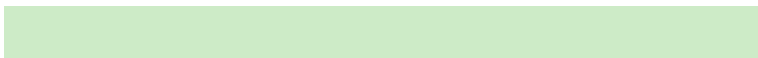
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



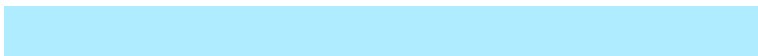
80.7083, 76.3743, 104.2539



79.6254, 76.3743, 62.6851



65.0380, 76.3743, 65.1202



65.9845, 76.3743, 107.6653



# Rectangle

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



80.7083, 76.3743, 104.2539



83.3395, 76.3743, 78.6136



65.0380, 76.3743, 65.1202



62.8098, 76.3743, 87.8755

# Sweetspot

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



80.7106, 76.3776, 104.2556



91.0752, 93.2480, 107.8062



73.4375, 75.7704, 104.5217



19.3381, 19.6954, 23.0323



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.



80.7106, 76.3776, 104.2556



79.3812, 73.6575, 104.6412



81.9441, 77.2022, 95.7883



18.3857, 18.0906, 22.7727



21.9901, 10.2468, 50.2534



2.2320, 1.0446, 4.8973



# Inverse Universe

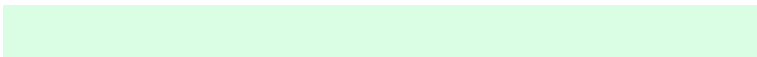
The Inverse Universe completely reimagines the original color for something new.



79.2792, 76.1362, 81.7551



77.7504, 73.3939, 78.4916



77.9917, 91.2101, 86.5212



18.1701, 18.0514, 19.5129



21.9552, 11.2714, 3.1488

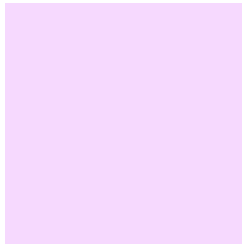


2.1759, 1.1128, 0.5079



# Previews

## White Background



This preview shows how the XYZ color 80.7083, 76.3743, 104.2539 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 80.7083, 76.3743, 104.2539 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

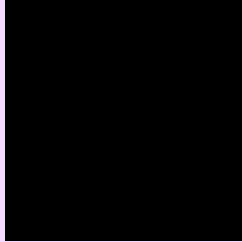
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 80.7083, 76.3743, 104.2539**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.7083, 76.3743, 104.2539.



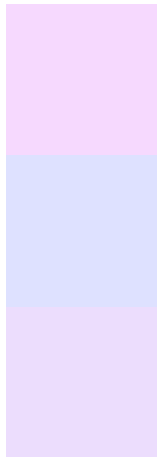
This preview shows how white text looks on a background with the XYZ color 80.7083, 76.3743,

104.2539.

# 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

80.7083, 76.3743, 104.2539

### Protanopia

75.0994, 76.6000, 105.4349

### Deuteranopia

78.1781, 76.6376, 103.6006



## **Tritanopia**

77.8414, 76.3555, 90.7562

# Trichromacy



## Original Color

80.7083, 76.3743, 104.2539

## Protanomaly

77.1263, 76.4515, 105.2994

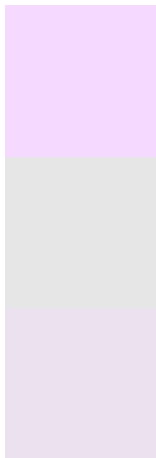
## Deuteranomaly

79.2580, 76.8035, 103.5757

## Tritanomaly

78.8174, 76.3672, 95.3802

# Monochromacy



## Original Color

80.7083, 76.3743, 104.2539

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

77.0973, 77.9153, 92.6370

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.7083, 76.3743, 104.2539 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(246, 217, 254)` looks like.

```
.text, #text, p{  
    color:rgb(246, 217, 254)  
}
```

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(246, 217, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 217, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 80.7083, 76.3743, 104.2539 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(246, 217, 254) }
```



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

```
.border{ border-color:rgb(246, 217, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 217, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 217, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 217, 254);  
box-shadow:4px 4px 4px 4px rgb(246, 217,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.7083, 76.3743, 104.2539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 217, 254) }
```

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

```
.background{ background-color: rgb(246,  
217, 254) }
```

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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