

# Converting Colors

XYZ(76.9292, 69.0134,  
103.8741)

Have a look what the booklet for  
XYZ(76.9292, 69.0134, 103.8741)  
contains.

<b>XYZ(76.8267, 68.8735, 103.8525)</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(76.8267, 68.8735,  
103.8525)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5CAFF
RGB	245, 202, 255
RGB Percent	96%, 79%, 100%
CMY	0.0392, 0.2078, 0.0000
CMYK	0.04, 0.21, 0.00, 0.00
HSL	289°, 100%, 90%
HSV	289°, 21%, 100%
XYZ	76.8267, 68.8735, 103.8525
YIQ	220.8990, 8.6150, 25.5990

# Conversions

## Conversions Part 2

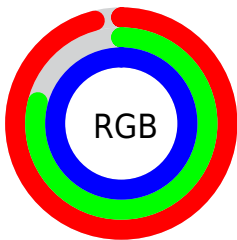
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 202, 255
Decimal	16108287
CIE <sub>Lab</sub>	86.44, 24.20, -20.25
CIE <sub>LCh</sub>	86, 31.555, 320.082
Yxy	68.8735, 0.3079, 0.2760
Android (android.graphics.Color)	4294298367 (0xFFFF5CAFF)
YUV	220.8990, 16.8118, 21.1366
Hunter-Lab	82.9901, 20.0109, -16.1016

# Details

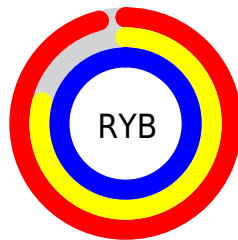
The XYZ color **76.8267, 68.8735, 103.8525** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **73.5737, 89.7821, 69.3324**, and the grayscale version is **68.5397, 72.1090, 78.5268**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5220, 35.9484, 58.1764** is the 20% darker color. If you saturate the color by 10%, you get **69.6746, 57.0279, 101.9430**, and if you desaturate by 10%, it is **85.0148, 82.7244, 106.0944**.

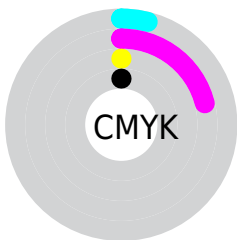
# Distribution



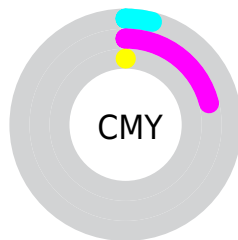
- Red (96%)
- Green (79%)
- Blue (100%)



- Red (96%)
- Yellow (79%)
- Blue (100%)



- Cyan (4%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (21%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8267, 68.8735, 103.8525 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 76.8267, 68.8735, 103.8525 by changing the saturation by 10% instead.



76.8267, 68.8735,  
103.8525

76.8267, 68.8735,  
103.8525

473.0740,  
456.5847, 593.8266

57.4101, 50.6087,  
78.8871

127.8690,  
117.6009, 168.5393

41.5760, 35.8973,  
58.2822

160.2253,  
148.8322, 209.0977

28.9591, 24.3549,  
41.6193

197.6256,  
185.1546, 255.6909

19.1940, 15.5971,  
28.4800

240.4353,  
226.9523, 308.7373

11.9154, 9.2395,  
18.4456

289.0195,  
274.6098, 368.6556

6.7579, 4.8977,  
11.0977

343.7438,

3.3561, 2.1874,

328.5114, 435.8642

6.0176

404.9735,  
389.0416, 510.7817

■ 1.3448, 0.7131,  
2.7868

■ 0.2163, 0.0000,  
0.9868

■ 76.8267, 68.8735,  
103.8525

■ 76.8267, 68.8735,  
103.8525

■ 69.6746, 57.0279,  
101.9430

■ 85.0148, 82.7244,  
106.0944

■ 63.5040, 47.0819,  
100.3484

■ 94.2787, 98.6626,  
108.6825

■ 58.2638, 38.9328,  
99.0517

■ 95.0500, 100.0000,  
108.9000

■ 53.8959, 32.4650,  
98.0335

■ 50.3354, 27.5492,  
97.2723

■ 47.5077, 24.0368,  
96.7434

■ 45.3238, 21.7500,  
96.4171

■ 43.7516, 20.4697,  
96.2528

# Harmonies

## Analogous

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



70.4003, 68.8735, 119.4291



76.8267, 68.8735, 103.8525



80.2827, 68.8735, 82.1293

# Triad

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



76.8267, 68.8735, 103.8525



67.9092, 68.8735, 41.9582



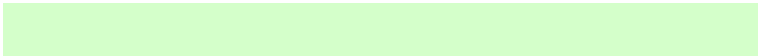
53.1461, 68.8735, 89.6565

# Complementary

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



76.8267, 68.8735, 103.8525



73.5737, 89.7821, 69.3324

# 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.



52.5880, 68.8735, 68.2798



76.8267, 68.8735, 103.8525



60.7606, 68.8735, 43.2221

# Square

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



76.8267, 68.8735, 103.8525



74.8870, 68.8735, 48.1959



55.2776, 68.8735, 52.0440



56.8633, 68.8735, 110.2351



# Rectangle

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



76.8267, 68.8735, 103.8525



80.2747, 68.8735, 68.1730



55.2776, 68.8735, 52.0440



52.5941, 68.8735, 82.2502

# Sweetspot

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



76.8286, 68.8764, 103.8529



89.3078, 90.0803, 107.2880



66.1034, 67.1670, 104.0882



18.9869, 19.0597, 22.9281



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.



76.8286, 68.8764, 103.8529



73.6881, 63.6406, 103.0078



77.9568, 69.7416, 91.0928



18.4370, 18.1170, 22.7751



22.9814, 10.7578, 50.2998



2.3203, 1.0901, 4.9014



# Inverse Universe

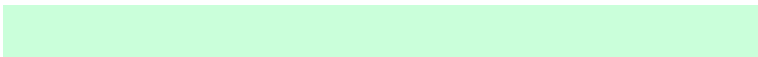
The Inverse Universe completely reimagines the original color for something new.



74.2459, 68.2572, 71.5515



70.7380, 62.9558, 65.0967



72.7609, 89.1342, 79.6334



18.1494, 18.0431, 19.4037



21.8685, 11.2367, 2.6919

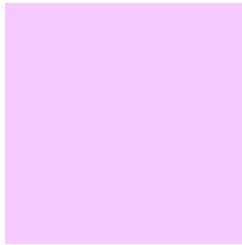


2.1647, 1.1082, 0.4485



# Previews

## White Background



This preview shows how the XYZ color 76.8267, 68.8735, 103.8525 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

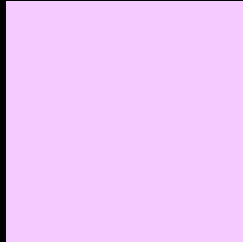
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.8267, 68.8735, 103.8525 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

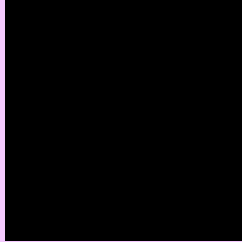
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 76.8267, 68.8735, 103.8525

## Background



This preview shows how black text looks on a background with the XYZ color 76.8267, 68.8735, 103.8525.



This preview shows how white text looks on a background with the XYZ color 76.8267, 68.8735,

103.8525.

# 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

76.8267, 68.8735, 103.8525

### Protanopia

68.3629, 69.2308, 104.3675

### Deuteranopia

70.5391, 68.8960, 102.5090



## Tritanopia

71.9456, 69.0188, 80.0510

# Trichromacy



## Original Color

76.8267, 68.8735, 103.8525



## Protanomaly

70.9154, 68.6853, 104.1277



## Deuteranomaly

72.7584, 68.9255, 103.2351



## Tritanomaly

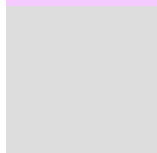
73.6847, 69.0180, 88.0355

# Monochromacy



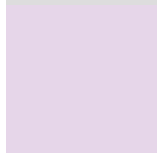
## Original Color

76.8267, 68.8735, 103.8525



## Achromatopsia

68.7264, 72.3055, 78.7407



## Achromatomaly

71.3877, 70.7993, 86.9939

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.8267, 68.8735, 103.8525 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(245, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 202, 255)  
}
```

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(245, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 202, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 76.8267, 68.8735, 103.8525 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(245, 202, 255) }
```



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

```
.border{ border-color:rgb(245, 202, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(245, 202,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.8267, 68.8735, 103.8525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 202, 255) }
```

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

```
.background{ background-color: rgb(245,  
202, 255) }
```

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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