

# Converting Colors

XYZ(93.0749, 73.7629,  
188.5026)

Have a look what the booklet for  
XYZ(93.0749, 73.7629, 188.5026)  
contains.

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# **Color**

**XYZ(76.7277, 67.1090,  
103.5171)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8C5FF
RGB	248, 197, 255
RGB Percent	97%, 77%, 100%
CMY	0.0274, 0.2274, 0.0000
CMYK	0.03, 0.23, 0.00, 0.00
HSL	293°, 100%, 89%
HSV	293°, 23%, 100%
XYZ	76.7277, 67.1090, 103.5171
YIQ	218.8610, 11.7780, 28.8500

# Conversions

## Conversions Part 2

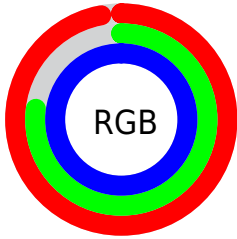
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	248, 197, 255
Decimal	16303615
CIE Lab	85.56, 27.80, -21.56
CIE LCh	86, 35.183, 322.213
Yxy	67.1090, 0.3102, 0.2713
Android (android.graphics.Color)	4294493695 (0xFFFF8C5FF)
YUV	218.8610, 17.8165, 25.5549
Hunter-Lab	81.9201, 23.8259, -17.5769

# Details

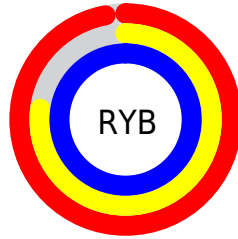
The XYZ color **76.7277, 67.1090, 103.5171** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **70.7415, 88.3894, 66.1590**, and the grayscale version is **67.1121, 70.6071, 76.8912**.

A 20% lighter version of the original color is **94.7318, 99.3636, 108.7939**, and **41.5014, 34.7985, 57.9555** is the 20% darker color. If you saturate the color by 10%, you get **70.3386, 55.9361, 101.6972**, and if you desaturate by 10%, it is **84.1179, 80.2554, 105.6651**.

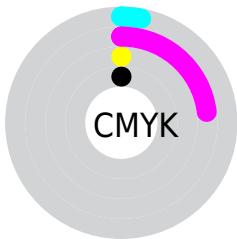
# Distribution



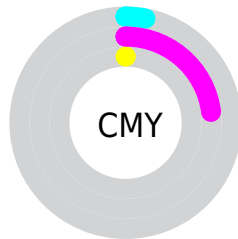
- Red (97%)
- Green (77%)
- Blue (100%)



- Red (97%)
- Yellow (77%)
- Blue (100%)



- Cyan (3%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (3%)
- Magenta (23%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.7277, 67.1090, 103.5171 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 76.7277, 67.1090, 103.5171 by changing the saturation by 10% instead.



76.7277, 67.1090,  
103.5171

76.7277, 67.1090,  
103.5171

472.7413,  
450.3327, 592.7536

57.3286, 49.1732,  
78.6079

127.7299,  
115.0766, 168.0760

41.5103, 34.7569,  
58.0540

160.0637,  
145.8772, 208.5628

28.9074, 23.4757,  
41.4371

197.4397,  
181.7348, 255.0791

19.1547, 14.9451,  
28.3385

240.2234,  
223.0339, 308.0436

11.8868, 8.7809,  
18.3397

288.7800,  
270.1588, 367.8748

6.7383, 4.5985,  
11.0222

343.4750,

3.3438, 2.0137,

323.4940, 434.9911

5.9674

404.6736,  
383.4238, 509.8112

■ 1.3381, 0.6154,  
2.7568

■ 0.2115, 0.0000,  
0.9718

■ 76.7277, 67.1090,  
103.5171

■ 76.7277, 67.1090,  
103.5171

■ 70.3386, 55.9361,  
101.6972

■ 84.1179, 80.2554,  
105.6651

■ 64.8955, 46.6298,  
100.1878

■ 92.5493, 95.4585,  
108.1552

■ 60.3467, 39.0857,  
98.9714

95.0500, 100.0000,  
108.9000

■ 56.6332, 33.1859,  
98.0284

■ 53.6886, 28.7979,  
97.3366

■ 51.4365, 25.7687,  
96.8706

■ 49.7839, 23.9128,  
96.5995

■ 48.8617, 23.1040,  
96.4920

# Harmonies

## Analogous

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



69.7777, 67.1090, 121.9023



76.7277, 67.1090, 103.5171



80.2683, 67.1090, 79.2020

# Triad

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



76.7277, 67.1090, 103.5171



65.8916, 67.1090, 37.5420



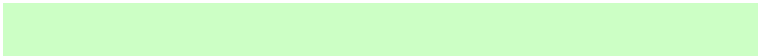
50.5802, 67.1090, 91.0186

# Complementary

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



76.7277, 67.1090, 103.5171



70.7415, 88.3894, 66.1590

# 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.



49.7287, 67.1090, 67.2635



76.7277, 67.1090, 103.5171



58.1458, 67.1090, 39.4084

# Square

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



76.7277, 67.1090, 103.5171



73.6802, 67.1090, 43.4962



52.3865, 67.1090, 49.2686



54.8181, 67.1090, 113.6991



# Rectangle

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



76.7277, 67.1090, 103.5171



80.0281, 67.1090, 64.1430



52.3865, 67.1090, 49.2686



49.9036, 67.1090, 82.7897

# Sweetspot

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



76.7296, 67.1118, 103.5175



88.8296, 88.7290, 107.0523



62.8461, 62.6285, 103.3839



18.9037, 18.7941, 22.8812



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.



76.7296, 67.1118, 103.5175



73.8898, 62.1192, 102.7035



76.0208, 67.1203, 86.5915



18.5642, 18.1826, 22.7811



25.6166, 12.1163, 50.4231



2.5524, 1.2097, 4.9122



# Inverse Universe

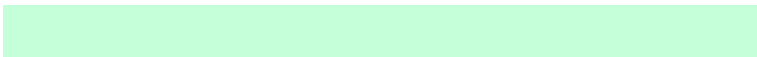
The Inverse Universe completely reimagines the original color for something new.



72.1070, 65.5548, 65.9819



68.6197, 60.3567, 59.3424



71.4777, 88.4672, 79.8238



18.0985, 18.0227, 19.1360



21.7042, 11.1710, 1.8270



2.1403, 1.0985, 0.3201



# Previews

## White Background



This preview shows how the XYZ color 76.7277, 67.1090, 103.5171 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

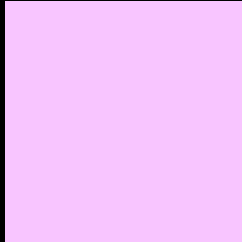
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.7277, 67.1090, 103.5171 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 76.7277, 67.1090, 103.5171

## Background



This preview shows how black text looks on a background with the XYZ color 76.7277, 67.1090, 103.5171.



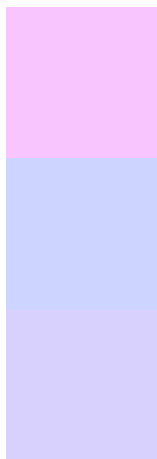
This preview shows how white text looks on a background with the XYZ color 76.7277, 67.1090,



# 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

76.7277, 67.1090, 103.5171

### Protanopia

66.4953, 67.1443, 104.0632

### Deuteranopia

68.8490, 67.2917, 102.2884



## Tritanopia

71.1043, 66.8810, 76.1796

# Trichromacy



## Original Color

76.7277, 67.1090, 103.5171



## Protanomaly

69.8780, 67.0613, 103.8689



## Deuteranomaly

71.7156, 67.3124, 102.9787



## Tritanomaly

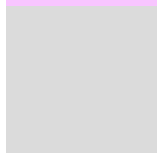
73.1083, 67.0120, 85.4253

# Monochromacy



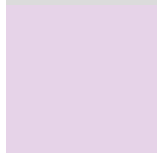
## Original Color

76.7277, 67.1090, 103.5171



## Achromatopsia

67.3311, 70.8376, 77.1421



## Achromatomaly

70.4929, 69.2377, 85.9928

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.7277, 67.1090, 103.5171 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(248, 197, 255)` looks like.

```
.text, #text, p{  
    color:rgb(248, 197, 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(248, 197, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 197, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 76.7277, 67.1090, 103.5171 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(248, 197, 255) }
```



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

```
.border{ border-color:rgb(248, 197, 255) }
```

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

Here you see how a box with a 4 pixel rgb(248, 197, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 197, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 197, 255);  
box-shadow:4px 4px 4px 4px rgb(248, 197,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.7277, 67.1090, 103.5171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 197, 255) }
```

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

```
.background{ background-color: rgb(248,  
197, 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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