

Converting Colors

XYZ(76.7883, 67.8904, 89.2060)

Have a look what the booklet for
XYZ(76.7883, 67.8904, 89.2060)
contains.

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Color

**XYZ(76.7201, 67.7626,
89.1567)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC6ED
RGB	255, 198, 237
RGB Percent	100%, 78%, 93%
CMY	0.0000, 0.2235, 0.0706
CMYK	0.00, 0.22, 0.07, 0.00
HSL	319°, 100%, 89%
HSV	319°, 22%, 100%
XYZ	76.7201, 67.7626, 89.1567
YIQ	219.4890, 21.4530, 24.2130

Conversions

Conversions Part 2

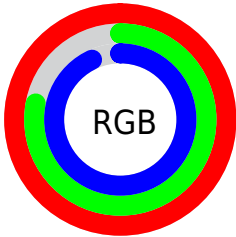
Format	Color
R_{YB}	255, 198, 237
Decimal	16762605
CIE _{Lab}	85.89, 26.37, -11.44
CIE _{LCh}	86, 28.747, 336.548
Yxy	67.7626, 0.3284, 0.2900
Android (android.graphics.Color)	4294952685 (0xFFFFC6ED)
YUV	219.4890, 8.6329, 31.1431
Hunter-Lab	82.3180, 22.3047, -6.5930

Details

The XYZ color **76.7201, 67.7626, 89.1567** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **71.4456, 88.4847, 78.2826**, and the grayscale version is **67.6044, 71.1251, 77.4553**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6025, 35.2885, 48.3347** is the 20% darker color. If you saturate the color by 10%, you get **70.2247, 56.6123, 81.3170**, and if you desaturate by 10%, it is **84.2528, 80.9020, 97.6046**.

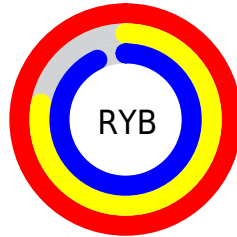
Distribution



Red (100%)

Green (78%)

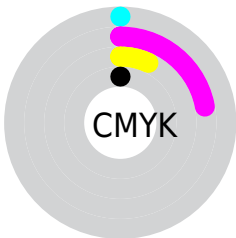
Blue (93%)



Red (100%)

Yellow (78%)

Blue (93%)

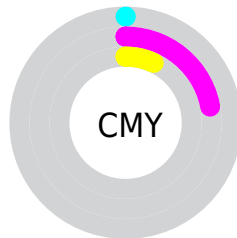


Cyan (0%)

Magenta (22%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (22%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.7201, 67.7626, 89.1567 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 76.7201, 67.7626, 89.1567 by changing the saturation by 10% instead.

76.7201, 67.7626,
89.1567

76.7201, 67.7626,
89.1567

472.7158,
452.6544, 545.7830

57.3223, 49.7046,
66.7117

127.7192,
116.0125, 148.0917

41.5052, 35.1788,
48.3902

160.0513,
146.9731, 185.4188

28.9035, 23.8006,
33.7738

197.4255,
183.0035, 228.5436

19.1517, 15.1858,
22.4439

240.2071,
224.4879, 277.8847

11.8846, 8.9499,
13.9820

288.7616,
271.8109, 333.8607

6.7368, 4.7085,
7.9696

343.4543,

3.3429, 2.0773,

325.3567, 396.8900

3.9880

404.6506,
385.5097, 467.3912

■ 1.3376, 0.6518,
1.6188

■ 0.2111, 0.0000,
0.3041

■ 76.7201, 67.7626,
89.1567

■ 76.7201, 67.7626,
89.1567

■ 70.2247, 56.6123,
81.3170

■ 84.2528, 80.9020,
97.6046

■ 64.7119, 47.3442,
74.0613

■ 92.8642, 96.1137,
106.6753

■ 60.1293, 39.8542,
67.3695

95.0500, 100.0000,
108.9000

■ 56.4175, 34.0245,
61.2184

■ 53.5098, 29.7231,
55.5822

■ 51.3296, 26.7976,
50.4315

■ 49.7842, 25.0641,
45.7317

■ 48.9260, 24.3344,
42.4039

Harmonies

Analogous

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



72.2355, 67.7626, 106.8745



76.7201, 67.7626, 89.1567



77.8065, 67.7626, 69.7276

Triad

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



76.7201, 67.7626, 89.1567



62.9747, 67.7626, 43.3294



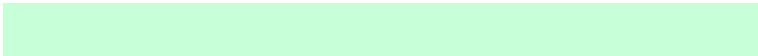
54.7706, 67.7626, 97.5228

Complementary

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



76.7201, 67.7626, 89.1567



71.4456, 88.4847, 78.2826

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.



52.6405, 67.7626, 77.9905



76.7201, 67.7626, 89.1567



57.1643, 67.7626, 48.3405

Square

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



76.7201, 67.7626, 89.1567



69.5721, 67.7626, 45.2908



53.4861, 67.7626, 60.2849



59.5028, 67.7626, 112.2507

Rectangle

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



76.7201, 67.7626, 89.1567



76.3959, 67.7626, 58.7475



53.4861, 67.7626, 60.2849



53.7417, 67.7626, 91.1847

Sweetspot

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



76.7217, 67.7654, 89.1581



88.7232, 88.7775, 102.3792



66.3004, 62.0738, 103.0948



18.8791, 18.8054, 21.7961



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.



76.7217, 67.7654, 89.1581



73.5753, 62.3390, 85.4383



72.9943, 66.2744, 69.5297



18.5342, 18.1970, 21.4302



25.6356, 12.7435, 22.5292



2.5456, 1.2606, 2.4545

Inverse Universe

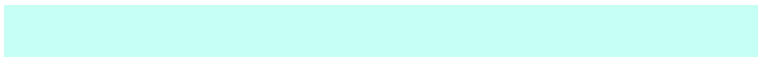
The Inverse Universe completely reimagines the original color for something new.



76.7217, 67.7654, 89.1581



73.5753, 62.3390, 85.4383



75.3189, 90.0340, 98.6794



18.5342, 18.1970, 21.4302



25.6356, 12.7435, 22.5292



2.5456, 1.2606, 2.4545

Previews

White Background



This preview shows how the XYZ color 76.7201, 67.7626, 89.1567 looks on a white background.

Color Contrast Check

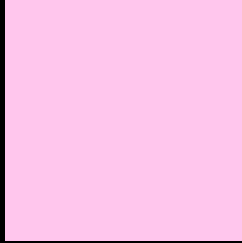
Large Text (above 18pt) WCAG AA × Fail

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 76.7201, 67.7626, 89.1567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

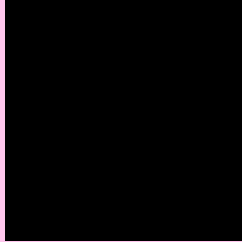
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.7201, 67.7626, 89.1567

Background



This preview shows how black text looks on a background with the XYZ color 76.7201, 67.7626, 89.1567.



This preview shows how white text looks on a background with the XYZ color 76.7201, 67.7626,

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

76.7201, 67.7626, 89.1567

Protanopia

66.8772, 67.8592, 97.5690

Deuteranopia

69.4744, 67.9300, 88.0474



Tritanopia

73.5559, 67.4785, 74.7935

Trichromacy



Original Color

76.7201, 67.7626, 89.1567

Protanomaly

70.0976, 67.7516, 94.1768

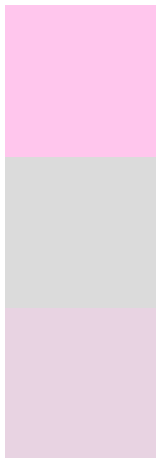
Deuteranomaly

71.8967, 67.7233, 88.6394

Tritanomaly

74.6168, 67.5730, 79.6312

Monochromacy



Original Color

76.7201, 67.7626, 89.1567

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

70.3004, 69.2353, 81.6100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7201, 67.7626, 89.1567 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, 198, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 237)  
}
```

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, 198, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 237) }
```

Border

The CSS property to change the border of an element to XYZ 76.7201, 67.7626, 89.1567 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, 198, 237) }
```


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

```
.border{ border-color:rgb(255, 198, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 198, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7201, 67.7626, 89.1567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 198, 237) }
```

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

```
.background{ background-color: rgb(255,  
198, 237) }
```

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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