

Converting Colors

XYZ(76.2783, 67.9160, 85.8124)

Have a look what the booklet for
XYZ(76.2783, 67.9160, 85.8124)
contains.

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Color

**XYZ(76.3714, 67.9900,
86.1890)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC7E9
RGB	255, 199, 233
RGB Percent	100%, 78%, 91%
CMY	0.0000, 0.2196, 0.0863
CMYK	0.00, 0.22, 0.09, 0.00
HSL	324°, 100%, 89%
HSV	324°, 22%, 100%
XYZ	76.3714, 67.9900, 86.1890
YIQ	219.6200, 22.4620, 22.4460

Conversions

Conversions Part 2

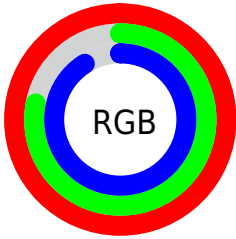
Format	Color
R _Y B	255, 199, 233
Decimal	16762857
CIE Lab	86.00, 25.18, -9.14
CIE LCh	86, 26.785, 340.037
Yxy	67.9900, 0.3313, 0.2949
Android (android.graphics.Color)	4294952937 (0xFFFFC7E9)
YUV	219.6200, 6.5963, 31.0283
Hunter-Lab	82.4560, 21.0299, -4.2549

Details

The XYZ color **76.3714, 67.9900, 86.1890** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **72.3665, 88.8836, 81.7519**, and the grayscale version is **67.7087, 71.2348, 77.5747**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3499, 35.4309, 46.2544** is the 20% darker color. If you saturate the color by 10%, you get **69.5977, 56.6683, 77.0699**, and if you desaturate by 10%, it is **84.2124, 81.3159, 96.0666**.

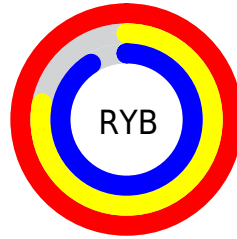
Distribution



Red (100%)

Green (78%)

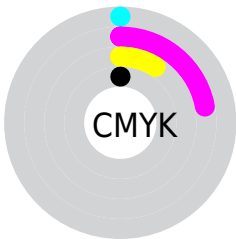
Blue (91%)



Red (100%)

Yellow (78%)

Blue (91%)

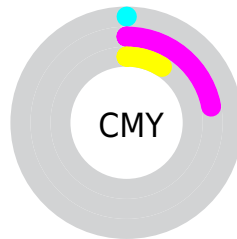


Cyan (0%)

Magenta (22%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.3714, 67.9900, 86.1890 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 76.3714, 67.9900, 86.1890 by changing the saturation by 10% instead.


 76.3714, 67.9900,
86.1890

 76.3714, 67.9900,
86.1890

471.5430,
453.4606, 535.8011

 57.0352, 49.8896,
64.2685


127.2293,
116.3378, 143.9221

 41.2738, 35.3257,
46.4206

159.4818,
147.3541, 180.5717

 28.7217, 23.9139,
32.2268


196.7704,
183.4444, 222.9682

 19.0136, 15.2697,
21.2685

239.4605,
224.9931, 271.5299

 11.7842, 9.0089,
13.1273

287.9175,
272.3847, 326.6755

 6.6680, 4.7470,
7.3845

342.5066,

 3.2998, 2.0996,

326.0036, 388.8236

3.6216

403.5933,
386.2341, 458.3926

■ 1.3142, 0.6644,
1.4202

■ 0.1938, 0.0000,
0.1574

■ 76.3714, 67.9900,
86.1890

■ 76.3714, 67.9900,
86.1890

■ 69.5977, 56.6683,
77.0699

■ 84.2124, 81.3159,
96.0666

■ 63.8366, 47.2439,
68.6817

■ 93.1631, 96.7291,
106.7205

■ 59.0349, 39.6129,
61.0010

95.0500, 100.0000,
108.9000

■ 55.1329, 33.6575,
54.0008

■ 52.0634, 29.2462,
47.6516

■ 49.7496, 26.2274,
41.9204

■ 48.0987, 24.4181,
36.7689

■ 47.1410, 23.6204,
33.0044

Harmonies

Analogous

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



72.5218, 67.9900, 103.0646



76.3714, 67.9900, 86.1890



76.9642, 67.9900, 68.2895

Triad

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



76.3714, 67.9900, 86.1890



62.5858, 67.9900, 45.4675



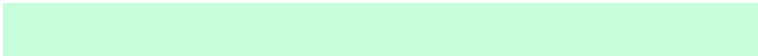
55.9949, 67.9900, 97.9902

Complementary

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



76.3714, 67.9900, 86.1890



72.3665, 88.8836, 81.7519

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.



53.6761, 67.9900, 80.0825



76.3714, 67.9900, 86.1890



57.3187, 67.9900, 51.0344

Square

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



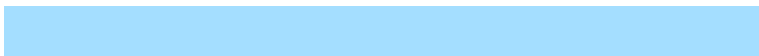
76.3714, 67.9900, 86.1890



68.7393, 67.9900, 46.5708



54.1448, 67.9900, 63.0711



60.6733, 67.9900, 110.5908

Rectangle

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



76.3714, 67.9900, 86.1890



75.3959, 67.9900, 58.3561



54.1448, 67.9900, 63.0711



54.9275, 67.9900, 92.2847

Sweetspot

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



76.3729, 67.9928, 86.1904



88.5089, 88.6918, 101.2508



68.1325, 63.3587, 103.2462



18.8294, 18.7856, 21.5346



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.



76.3729, 67.9928, 86.1904



73.5093, 63.1807, 82.4147



72.7493, 66.5434, 67.1088



18.4727, 18.1724, 21.1062



24.7077, 12.3724, 17.6433



2.4595, 1.2262, 2.0009

Inverse Universe

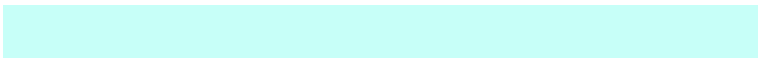
The Inverse Universe completely reimagines the original color for something new.



76.3729, 67.9928, 86.1904



73.5093, 63.1807, 82.4147



76.3306, 90.4693, 102.6268



18.4727, 18.1724, 21.1062



24.7077, 12.3724, 17.6433



2.4595, 1.2262, 2.0009

Previews

White Background



This preview shows how the XYZ color 76.3714, 67.9900, 86.1890 looks on a white background.

Color Contrast Check

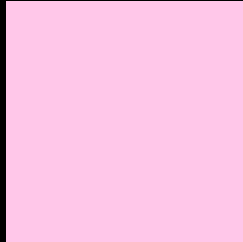
Large Text (above 18pt) WCAG AA × Fail

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 76.3714, 67.9900, 86.1890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

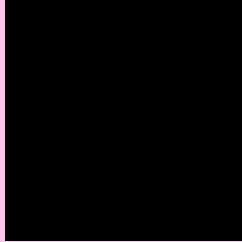
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.3714, 67.9900, 86.1890

Background



This preview shows how black text looks on a background with the XYZ color 76.3714, 67.9900, 86.1890.



This preview shows how white text looks on a background with the XYZ color 76.3714, 67.9900,

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

76.3714, 67.9900, 86.1890

Protanopia

66.9375, 68.3528, 93.6698

Deuteranopia

69.5374, 68.0285, 85.0671



Tritanopia

74.1529, 68.1335, 74.8884

Trichromacy



Original Color

76.3714, 67.9900, 86.1890



Protanomaly

70.0590, 68.1638, 91.1258



Deuteranomaly

71.6567, 67.6660, 85.6281



Tritanomaly

75.0790, 68.1718, 79.0134

Monochromacy



Original Color

76.3714, 67.9900, 86.1890



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

70.7384, 69.8468, 80.9876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.3714, 67.9900, 86.1890 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, 199, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 233)  
}
```

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, 199, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 233) }
```

Border

The CSS property to change the border of an element to XYZ 76.3714, 67.9900, 86.1890 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, 199, 233) }
```


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

```
.border{ border-color:rgb(255, 199, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 76.3714, 67.9900, 86.1890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 233) }
```

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

```
.background{ background-color: rgb(255,  
199, 233) }
```

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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