

Converting Colors

XYZ(77.0229, 69.1599, 86.8169)

Have a look what the booklet for
XYZ(77.0229, 69.1599, 86.8169)
contains.

XYZ(76.9779, 68.9738, 87.0980)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(76.9779, 68.9738,
87.0980)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC9EA
RGB	255, 201, 234
RGB Percent	100%, 79%, 92%
CMY	0.0000, 0.2117, 0.0823
CMYK	0.00, 0.21, 0.08, 0.00
HSL	323°, 100%, 89%
HSV	323°, 21%, 100%
XYZ	76.9779, 68.9738, 87.0980
YIQ	220.9080, 21.5910, 21.7110

Conversions

Conversions Part 2

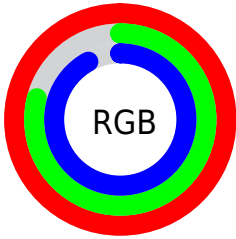
Format	Color
R _Y B	255, 201, 234
Decimal	16763370
CIE Lab	86.49, 24.29, -8.95
CIE LCh	86, 25.888, 339.777
Yxy	68.9738, 0.3303, 0.2960
Android (android.graphics.Color)	4294953450 (0xFFFFC9EA)
YUV	220.9080, 6.4544, 29.8987
Hunter-Lab	83.0505, 20.1099, -4.0442

Details

The XYZ color **76.9779, 68.9738, 87.0980** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **73.0344, 89.2125, 82.4809**, and the grayscale version is **68.6097, 72.1828, 78.6070**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7583, 36.0876, 46.8842** is the 20% darker color. If you saturate the color by 10%, you get **70.1346, 57.5037, 77.9837**, and if you desaturate by 10%, it is **84.8909, 82.4550, 96.9642**.

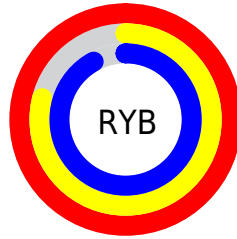
Distribution



Red (100%)

Green (79%)

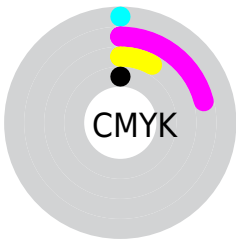
Blue (92%)



Red (100%)

Yellow (79%)

Blue (92%)

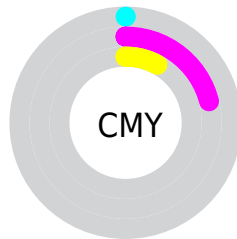


Cyan (0%)

Magenta (21%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (21%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.9779, 68.9738, 87.0980 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 76.9779, 68.9738, 87.0980 by changing the saturation by 10% instead.


 76.9779, 68.9738,
87.0980

 76.9779, 68.9738,
87.0980


473.5818,
456.9386, 538.8694

 57.5346, 50.6904,
65.0162


128.0813,
117.7442, 145.2008

 41.6764, 35.9623,
47.0228

160.4721,
148.9999, 182.0589

 29.0380, 24.4050,
32.6992


197.9094,
185.3485, 224.6795

 19.2540, 15.6344,
21.6269

240.7587,
227.1744, 273.4812

 11.9590, 9.2658,
13.3873

289.3852,
274.8619, 328.8825

 6.7878, 4.9150,
7.5619

344.1543,

 3.3749, 2.1974,

328.7955, 391.3019

3.7322

405.4314,
389.3596, 461.1581

■ 1.3550, 0.7186,
1.4796

■ 0.2238, 0.0000,
0.2027

■ 76.9779, 68.9738,
87.0980

■ 76.9779, 68.9738,
87.0980

■ 70.1346, 57.5037,
77.9837

■ 84.8909, 82.4550,
96.9642

■ 64.3062, 47.9382,
69.5939

■ 93.9153, 98.0298,
107.5997

■ 59.4403, 40.1741,
61.9055

95.0500, 100.0000,
108.9000

■ 55.4774, 34.0948,
54.8920

■ 52.3513, 29.5700,
48.5245

■ 49.9859, 26.4499,
42.7704

■ 48.2901, 24.5547,
37.5921

■ 47.2262, 23.6545,
33.4531

Harmonies

Analogous

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



73.2114, 68.9738, 103.4316



76.9779, 68.9738, 87.0980



77.5839, 68.9738, 69.6338

Triad

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



76.9779, 68.9738, 87.0980



63.6197, 68.9738, 47.0430



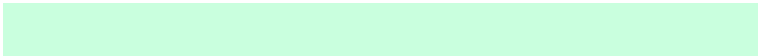
57.0929, 68.9738, 98.2604

Complementary

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



76.9779, 68.9738, 87.0980



73.0344, 89.2125, 82.4809

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.



54.8430, 68.9738, 80.8466



76.9779, 68.9738, 87.0980



58.4566, 68.9738, 52.4823

Square

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



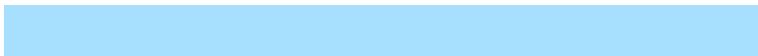
76.9779, 68.9738, 87.0980



69.6227, 68.9738, 48.1908



55.3265, 68.9738, 64.2591



61.6537, 68.9738, 110.5265

Rectangle

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



76.9779, 68.9738, 87.0980



76.0784, 68.9738, 59.8720



55.3265, 68.9738, 64.2591



56.0542, 68.9738, 92.7148

Sweetspot

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



76.9795, 68.9767, 87.0994



89.4185, 90.2463, 102.3696



68.9715, 64.4789, 103.4182



19.0133, 19.0992, 21.7628



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.



76.9795, 68.9767, 87.0994



74.2374, 64.3556, 83.5246



73.4279, 67.5560, 68.3969



18.4758, 18.1736, 21.1228



24.7521, 12.3901, 17.8769



2.4636, 1.2278, 2.0229

Inverse Universe

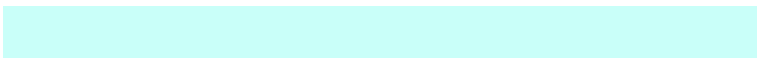
The Inverse Universe completely reimagines the original color for something new.



76.9795, 68.9767, 87.0994



74.2374, 64.3556, 83.5246



76.9012, 90.7592, 102.8431



18.4758, 18.1736, 21.1228



24.7521, 12.3901, 17.8769



2.4636, 1.2278, 2.0229

Previews

White Background



This preview shows how the XYZ color 76.9779, 68.9738, 87.0980 looks on a white background.

Color Contrast Check

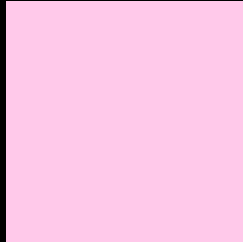
Large Text (above 18pt) WCAG AA × Fail

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 76.9779, 68.9738, 87.0980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

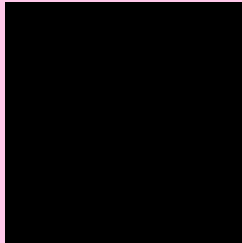
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.9779, 68.9738, 87.0980

Background



This preview shows how black text looks on a background with the XYZ color 76.9779, 68.9738, 87.0980.



This preview shows how white text looks on a background with the XYZ color 76.9779, 68.9738,

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

76.9779, 68.9738, 87.0980

Protanopia

67.9187, 69.2181, 94.5747

Deuteranopia

70.8148, 69.4037, 86.0078



Tritanopia

74.8871, 69.1829, 76.4245

Trichromacy



Original Color

76.9779, 68.9738, 87.0980

Protanomaly

70.7697, 68.8784, 92.0030

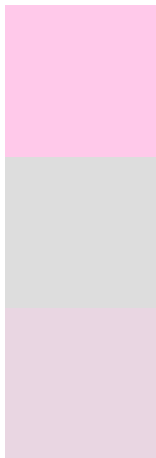
Deuteranomaly

72.9560, 69.0341, 86.5705

Tritanomaly

75.6835, 69.1645, 79.8821

Monochromacy



Original Color

76.9779, 68.9738, 87.0980

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

71.3783, 70.9078, 81.8760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9779, 68.9738, 87.0980 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, 201, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 234)  
}
```

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, 201, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 234) }
```

Border

The CSS property to change the border of an element to XYZ 76.9779, 68.9738, 87.0980 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, 201, 234) }
```


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

```
.border{ border-color:rgb(255, 201, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 201, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 201, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 201, 234); box-shadow:4px 4px 4px 4px rgb(255, 201, 234) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9779, 68.9738, 87.0980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 201, 234) }
```

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

```
.background{ background-color: rgb(255,  
201, 234) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor