

Converting Colors

XYZ(76.8355, 69.2925, 85.1902)

Have a look what the booklet for
XYZ(76.8355, 69.2925, 85.1902)
contains.

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Color

**XYZ(76.7843, 69.2706,
84.9249)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCAE7
RGB	255, 202, 231
RGB Percent	100%, 79%, 91%
CMY	0.0000, 0.2078, 0.0941
CMYK	0.00, 0.21, 0.09, 0.00
HSL	327°, 100%, 90%
HSV	327°, 21%, 100%
XYZ	76.7843, 69.2706, 84.9249
YIQ	221.1530, 22.2790, 20.2550

Conversions

Conversions Part 2

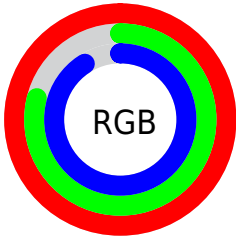
Format	Color
R_{YB}	255, 202, 231
Decimal	16763623
CIE _{Lab}	86.64, 23.27, -7.14
CIE _{LCh}	87, 24.339, 342.944
Yxy	69.2706, 0.3324, 0.2999
Android (android.graphics.Color)	4294953703 (0xFFFFCAE7)
YUV	221.1530, 4.8546, 29.6838
Hunter-Lab	83.2290, 19.0275, -2.2379

Details

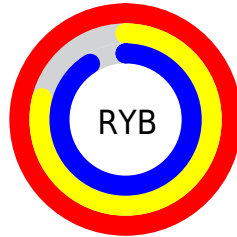
The XYZ color **76.7843, 69.2706, 84.9249** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **73.8469, 89.5687, 85.3513**, and the grayscale version is **68.7922, 72.3747, 78.8161**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6165, 36.2807, 45.3669** is the 20% darker color. If you saturate the color by 10%, you get **69.7107, 57.6479, 74.7843**, and if you desaturate by 10%, it is **84.9574, 82.9193, 95.9648**.

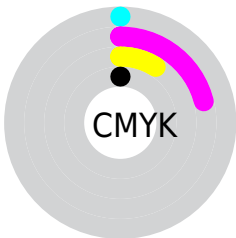
Distribution



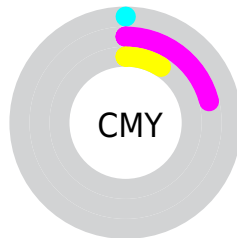
- Red (100%)
- Green (79%)
- Blue (91%)



- Red (100%)
- Yellow (79%)
- Blue (91%)



- Cyan (0%)
- Magenta (21%)
- Yellow (9%)
- Black (0%)



- Cyan (0%)
- Magenta (21%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.7843, 69.2706, 84.9249 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 76.7843, 69.2706, 84.9249 by changing the saturation by 10% instead.

76.7843, 69.2706,
84.9249

76.7843, 69.2706,
84.9249

472.9315,
457.9848, 531.5176

57.3752, 50.9321,
63.2295

127.8094,
118.1680, 142.1415

41.5478, 36.1546,
45.5847

160.1561,
149.4957, 178.4998

28.9370, 24.5536,
31.5720

197.5460,
185.9219, 220.5828

19.1772, 15.7448,
20.7727

240.3445,
227.8311, 268.8091

11.9031, 9.3437,
12.7683

288.9170,
275.6075, 323.5972

6.7495, 4.9661,
7.1403

343.6287,

3.3509, 2.2274,

329.6357, 385.3656

3.4703

404.8451,
390.3000, 454.5329

■ 1.3419, 0.7349,
1.3395

■ 0.2143, 0.0000,
0.0938

■ 76.7843, 69.2706,
84.9249

■ 76.7843, 69.2706,
84.9249

■ 69.7107, 57.6479,
74.7843

■ 84.9574, 82.9193,
95.9648

■ 63.6811, 47.9446,
65.5115

■ 94.2721, 98.6764,
107.9252

■ 58.6424, 40.0575,
57.0794

■ 95.0500, 100.0000,
108.9000

■ 54.5346, 33.8703,
49.4571

■ 51.2909, 29.2527,
42.6112

■ 48.8348, 26.0556,
36.5047

■ 47.0750, 24.1005,
31.0951

■ 45.9384, 23.1394,
26.6714

Harmonies

Analogous

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



73.5239, 69.2706, 100.5756



76.7843, 69.2706, 84.9249



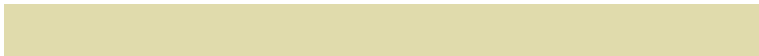
77.0081, 69.2706, 68.6652

Triad

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



76.7843, 69.2706, 84.9249



63.4353, 69.2706, 48.9776



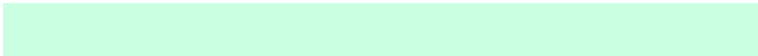
58.2012, 69.2706, 98.6752

Complementary

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



76.7843, 69.2706, 84.9249



73.8469, 89.5687, 85.3513

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.



55.8069, 69.2706, 82.6122



76.7843, 69.2706, 84.9249



58.7104, 69.2706, 54.8594

Square

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



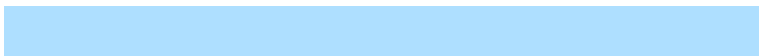
76.7843, 69.2706, 84.9249



69.0785, 69.2706, 49.4121



55.9878, 69.2706, 66.6593



62.7036, 69.2706, 109.2600

Rectangle

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



76.7843, 69.2706, 84.9249



75.3864, 69.2706, 59.7338



55.9878, 69.2706, 66.6593



57.1349, 69.2706, 93.6458

Sweetspot

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



76.7859, 69.2735, 84.9263



89.2662, 90.1854, 101.5676



70.4900, 65.6090, 103.5563



18.9773, 19.0848, 21.5732



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.



76.7859, 69.2735, 84.9263



73.6707, 64.1289, 80.5406



73.3399, 67.8951, 66.7796



18.4252, 18.1534, 20.8563



24.0802, 12.1214, 14.3386



2.3997, 1.2023, 1.6864

Inverse Universe

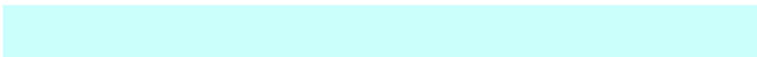
The Inverse Universe completely reimagines the original color for something new.



76.7859, 69.2735, 84.9263



73.6707, 64.1289, 80.5406



77.7450, 91.1279, 105.8786



18.4252, 18.1534, 20.8563



24.0802, 12.1214, 14.3386



2.3997, 1.2023, 1.6864

Previews

White Background



This preview shows how the XYZ color 76.7843, 69.2706, 84.9249 looks on a white background.

Color Contrast Check

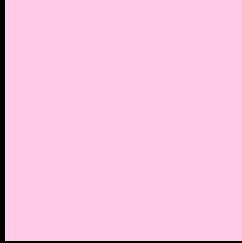
Large Text (above 18pt) WCAG AA × Fail

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 76.7843, 69.2706, 84.9249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

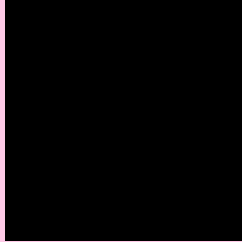
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.7843, 69.2706, 84.9249

Background



This preview shows how black text looks on a background with the XYZ color 76.7843, 69.2706, 84.9249.



This preview shows how white text looks on a background with the XYZ color 76.7843, 69.2706,

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

76.7843, 69.2706, 84.9249

Protanopia

67.8674, 69.6399, 91.5262

Deuteranopia

71.0414, 69.5693, 83.8127



Tritanopia

75.3842, 69.4239, 77.1371

Trichromacy



Original Color

76.7843, 69.2706, 84.9249

Protanomaly

70.7477, 69.3027, 89.0048

Deuteranomaly

73.1144, 69.5257, 84.4292

Tritanomaly

75.6835, 69.1645, 79.8821

Monochromacy



Original Color

76.7843, 69.2706, 84.9249

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

71.2414, 70.8530, 81.1553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7843, 69.2706, 84.9249 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, 202, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 231)  
}
```

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, 202, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 231) }
```

Border

The CSS property to change the border of an element to XYZ 76.7843, 69.2706, 84.9249 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, 202, 231) }
```


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

```
.border{ border-color:rgb(255, 202, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 202, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7843, 69.2706, 84.9249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 231) }
```

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

```
.background{ background-color: rgb(255,  
202, 231) }
```

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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