

Converting Colors

XYZ(76.9931, 68.2448, 89.4438)

Have a look what the booklet for
XYZ(76.9931, 68.2448, 89.4438)
contains.

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Color

**XYZ(76.9495, 68.2213,
89.2331)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC7ED
RGB	255, 199, 237
RGB Percent	100%, 78%, 93%
CMY	0.0000, 0.2196, 0.0706
CMYK	0.00, 0.22, 0.07, 0.00
HSL	319°, 100%, 89%
HSV	319°, 22%, 100%
XYZ	76.9495, 68.2213, 89.2331
YIQ	220.0760, 21.1780, 23.6900

Conversions

Conversions Part 2

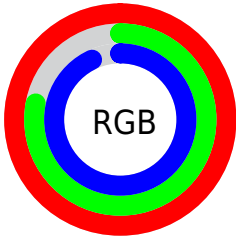
Format	Color
R _Y B	255, 199, 237
Decimal	16762861
CIE Lab	86.12, 25.85, -11.10
CIE LCh	86, 28.130, 336.762
Yxy	68.2213, 0.3283, 0.2910
Android (android.graphics.Color)	4294952941 (0xFFFFC7ED)
YUV	220.0760, 8.3435, 30.6283
Hunter-Lab	82.5962, 21.7535, -6.2368

Details

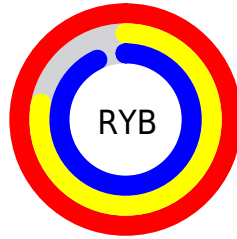
The XYZ color **76.9495, 68.2213, 89.2331** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **71.8398, 88.6729, 78.9781**, and the grayscale version is **68.0153, 71.5574, 77.9260**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7546, 35.5928, 48.3854** is the 20% darker color. If you saturate the color by 10%, you get **70.3963, 56.9878, 81.2752**, and if you desaturate by 10%, it is **84.5435, 81.4484, 97.8099**.

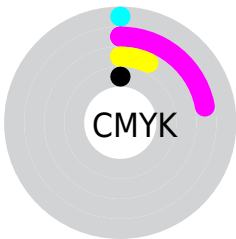
Distribution



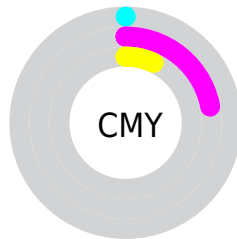
- Red (100%)
- Green (78%)
- Blue (93%)



- 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 76.9495, 68.2213, 89.2331 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 76.9495, 68.2213, 89.2331 by changing the saturation by 10% instead.


 76.9495, 68.2213,
89.2331

 76.9495, 68.2213,
89.2331


473.4864,
454.2797, 546.0386

 57.5112, 50.0778,
66.7746


128.0414,
116.6687, 148.1989

 41.6576, 35.4752,
48.4411

160.4257,
147.7413, 185.5433

 29.0232, 24.0292,
33.8138


197.8561,
183.8925, 228.6867

 19.2427, 15.3553,
22.4744

240.6979,
225.5066, 278.0477

 11.9508, 9.0691,
14.0043

289.3165,
272.9679, 334.0449

 6.7822, 4.7863,
7.9848

344.0772,

 3.3714, 2.1224,

326.6610, 397.0967

3.9976

405.3454,
386.9701, 467.6218

■ 1.3531, 0.6772,
1.6240

■ 0.2224, 0.0000,
0.3079

■ 76.9495, 68.2213,
89.2331

■ 76.9495, 68.2213,
89.2331

■ 70.3963, 56.9878,
81.2752

■ 84.5435, 81.4484,
97.8099

■ 64.8298, 47.6413,
73.9117

■ 93.2200, 96.7520,
107.0203

■ 60.1974, 40.0779,
67.1226

95.0500, 100.0000,
108.9000

■ 56.4401, 34.1804,
60.8844

■ 53.4914, 29.8174,
55.1711

■ 51.2750, 26.8376,
49.9534

■ 49.6991, 25.0583,
45.1968

■ 48.7860, 24.2784,
41.6666

Harmonies

Analogous

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



72.5708, 68.2213, 106.6113



76.9495, 68.2213, 89.2331



77.9877, 68.2213, 70.1676

Triad

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



76.9495, 68.2213, 89.2331



63.3895, 68.2213, 44.2382



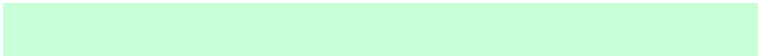
55.3840, 68.2213, 97.6924

Complementary

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



76.9495, 68.2213, 89.2331



71.8398, 88.6729, 78.9781

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.



53.2639, 68.2213, 78.5529



76.9495, 68.2213, 89.2331



57.6829, 68.2213, 49.2533

Square

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



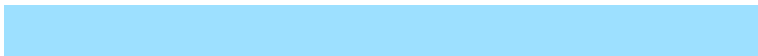
76.9495, 68.2213, 89.2331



69.8720, 68.2213, 46.1339



54.0767, 68.2213, 61.1007



60.0599, 68.2213, 112.0347

Rectangle

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



76.9495, 68.2213, 89.2331



76.5879, 68.2213, 59.3753



54.0767, 68.2213, 61.1007



54.3635, 68.2213, 91.4942

Sweetspot

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



76.9510, 68.2241, 89.2345



88.7075, 88.7712, 102.2963



67.0121, 62.7811, 103.1938



18.8755, 18.8040, 21.7769



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.



76.9510, 68.2241, 89.2345



74.1797, 63.4489, 85.9446



73.2071, 66.7265, 69.5191



18.5297, 18.1952, 21.4064



25.5629, 12.7145, 22.1466



2.5389, 1.2579, 2.4194

Inverse Universe

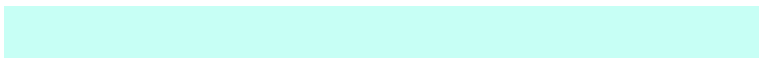
The Inverse Universe completely reimagines the original color for something new.



76.9510, 68.2241, 89.2345



74.1797, 63.4489, 85.9446



75.7557, 90.2393, 99.5990



18.5297, 18.1952, 21.4064



25.5629, 12.7145, 22.1466



2.5389, 1.2579, 2.4194

Previews

White Background



This preview shows how the XYZ color 76.9495, 68.2213, 89.2331 looks on a white background.

Color Contrast Check

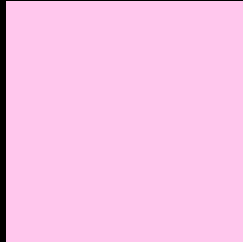
Large Text (above 18pt) WCAG AA × Fail

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 76.9495, 68.2213, 89.2331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

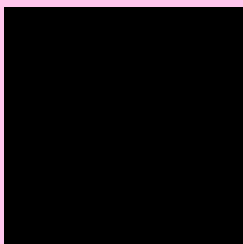
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.9495, 68.2213, 89.2331

Background



This preview shows how black text looks on a background with the XYZ color 76.9495, 68.2213, 89.2331.



This preview shows how white text looks on a background with the XYZ color 76.9495, 68.2213,

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

76.9495, 68.2213, 89.2331

Protanopia

67.4134, 68.5102, 97.6664

Deuteranopia

70.0369, 68.5853, 88.1442



Tritanopia

73.9203, 67.9985, 75.5587

Trichromacy



Original Color

76.9495, 68.2213, 89.2331



Protanomaly

70.3422, 68.2407, 94.2584



Deuteranomaly

72.4715, 68.3759, 88.7351



Tritanomaly

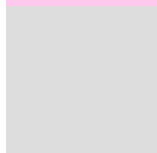
74.9853, 68.0922, 80.4251

Monochromacy



Original Color

76.9495, 68.2213, 89.2331



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

70.8752, 69.9016, 81.7083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9495, 68.2213, 89.2331 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 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, 199, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 237) }
```

Border

The CSS property to change the border of an element to XYZ 76.9495, 68.2213, 89.2331 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, 237) }
```


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

```
.border{ border-color:rgb(255, 199, 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, 199, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9495, 68.2213, 89.2331 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, 237) }
```

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

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