

Converting Colors

XYZ(77.8201, 68.5327, 93.9313)

Have a look what the booklet for
XYZ(77.8201, 68.5327, 93.9313)
contains.

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Color

**XYZ(77.8411, 68.5779,
93.9282)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC7F3
RGB	255, 199, 243
RGB Percent	100%, 78%, 95%
CMY	0.0000, 0.2196, 0.0471
CMYK	0.00, 0.22, 0.05, 0.00
HSL	313°, 100%, 89%
HSV	313°, 22%, 100%
XYZ	77.8411, 68.5779, 93.9282
YIQ	220.7600, 19.2520, 25.5560

Conversions

Conversions Part 2

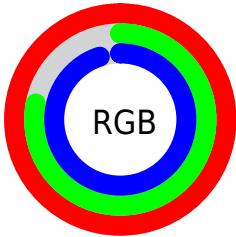
Format	Color
R_{YB}	255, 199, 243
Decimal	16762867
CIE _{Lab}	86.29, 26.87, -14.02
CIE _{LCh}	86, 30.312, 332.452
Yxy	68.5779, 0.3239, 0.2853
Android (android.graphics.Color)	4294952947 (0xFFFFC7F3)
YUV	220.7600, 10.9643, 30.0285
Hunter-Lab	82.8118, 22.8652, -9.2807

Details

The XYZ color **77.8411, 68.5779, 93.9282** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **71.0732, 88.3663, 74.9415**, and the grayscale version is **68.4765, 72.0426, 78.4544**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3837, 35.8444, 51.6985** is the 20% darker color. If you saturate the color by 10%, you get **71.6454, 57.4873, 87.8527**, and if you desaturate by 10%, it is **85.0474, 81.6498, 100.4636**.

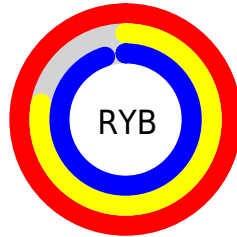
Distribution



Red (100%)

Green (78%)

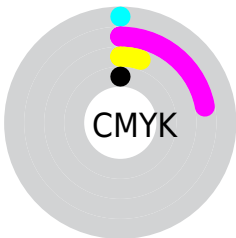
Blue (95%)



Red (100%)

Yellow (78%)

Blue (95%)

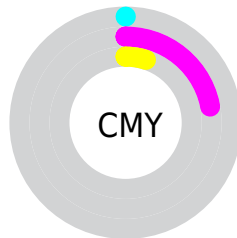


Cyan (0%)

Magenta (22%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (22%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8411, 68.5779, 93.9282 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 77.8411, 68.5779, 93.9282 by changing the saturation by 10% instead.

77.8411, 68.5779,
93.9282

77.8411, 68.5779,
93.9282

476.4751,
455.5408, 561.6245

58.2458, 50.3680,
70.6513

129.2927,
117.1785, 154.7658

42.2503, 35.7059,
51.5776

161.8796,
148.3380, 193.1637

29.4893, 24.2071,
36.2886

199.5278,
184.5828, 237.4389

19.5974, 15.4874,
24.3657

242.6026,
226.2974, 288.0100

12.2093, 9.1621,
15.3904

291.4694,
273.8661, 345.2956

6.9596, 4.8471,
8.9442

346.4935,

3.4830, 2.1578,

327.6733, 409.7141

4.6085

408.0403,
388.1034, 481.6843

■ 1.4140, 0.6969,
1.9647

■ 0.2662, 0.0000,
0.5335

■ 77.8411, 68.5779,
93.9282

■ 77.8411, 68.5779,
93.9282

■ 71.6454, 57.4873,
87.8527

■ 85.0474, 81.6498,
100.4636

■ 66.4066, 48.2719,
82.2155

■ 93.3056, 96.7861,
107.4709

■ 62.0729, 40.8281,
76.9990

95.0500, 100.0000,
108.9000

■ 58.5856, 35.0386,
72.1826

■ 55.8788, 30.7724,
67.7434

■ 53.8770, 27.8783,
63.6550

■ 52.4886, 26.1741,
59.8859

■ 51.7071, 25.4468,
57.0491

Harmonies

Analogous

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



72.6638, 68.5779, 112.0962



77.8411, 68.5779, 93.9282



79.5553, 68.5779, 73.0349

Triad

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



77.8411, 68.5779, 93.9282



64.6079, 68.5779, 42.4323



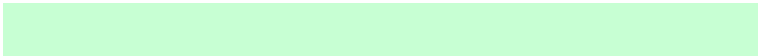
54.4830, 68.5779, 97.2915

Complementary

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



77.8411, 68.5779, 93.9282



71.0732, 88.3663, 74.9415

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.



52.6521, 68.5779, 76.3287



77.8411, 68.5779, 93.9282



58.2308, 68.5779, 46.6662

Square

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



77.8411, 68.5779, 93.9282



71.5982, 68.5779, 45.4727



53.9743, 68.5779, 58.2418



59.1596, 68.5779, 114.2693

Rectangle

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



77.8411, 68.5779, 93.9282



78.4111, 68.5779, 60.9106



53.9743, 68.5779, 58.2418



53.5300, 68.5779, 90.3588

Sweetspot

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



77.8426, 68.5806, 93.9296



89.0078, 88.8913, 103.8780



65.1114, 61.8012, 103.1048



18.9451, 18.8318, 22.1439



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.



77.8426, 68.5806, 93.9296



75.2194, 63.8648, 91.4196



74.0341, 67.0572, 73.8743



18.6162, 18.2298, 21.8619



27.0754, 13.3195, 30.1112



2.6758, 1.3127, 3.1401

Inverse Universe

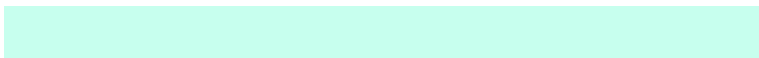
The Inverse Universe completely reimagines the original color for something new.



77.8426, 68.5806, 93.9296



75.2194, 63.8648, 91.4196



74.7770, 89.8478, 94.4456



18.6162, 18.2298, 21.8619



27.0754, 13.3195, 30.1112



2.6758, 1.3127, 3.1401

Previews

White Background



This preview shows how the XYZ color 77.8411, 68.5779, 93.9282 looks on a white background.

Color Contrast Check

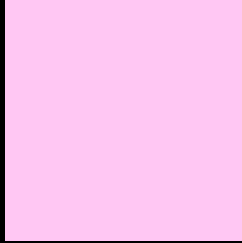
Large Text (above 18pt) WCAG AA × Fail

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 77.8411, 68.5779, 93.9282 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 77.8411, 68.5779, 93.9282

Background



This preview shows how black text looks on a background with the XYZ color 77.8411, 68.5779, 93.9282.



This preview shows how white text looks on a background with the XYZ color 77.8411, 68.5779,

93.9282.

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

77.8411, 68.5779, 93.9282

Protanopia

68.0707, 68.7403, 102.6090

Deuteranopia

70.2878, 68.6128, 92.7581



Tritanopia

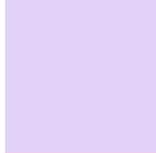
74.2870, 68.5218, 76.3285

Trichromacy



Original Color

77.8411, 68.5779, 93.9282



Protanomaly

71.2634, 68.6092, 99.1095



Deuteranomaly

73.0234, 68.5579, 93.3887



Tritanomaly

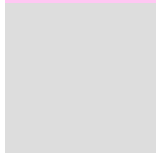
75.6321, 68.7251, 82.6778

Monochromacy



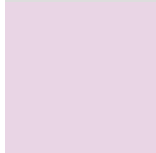
Original Color

77.8411, 68.5779, 93.9282



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

71.5414, 70.5693, 83.9793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8411, 68.5779, 93.9282 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, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 243)  
}
```

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, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 243) }
```

Border

The CSS property to change the border of an element to XYZ 77.8411, 68.5779, 93.9282 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, 243) }
```


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

```
.border{ border-color:rgb(255, 199, 243) }
```

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, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8411, 68.5779, 93.9282 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, 243) }
```

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

```
.background{ background-color: rgb(255,  
199, 243) }
```

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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