

Converting Colors

XYZ(80.4390, 70.5547, 85.0246)

Have a look what the booklet for
XYZ(80.4390, 70.5547, 85.0246)
contains.

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Color

**XYZ(76.3181, 68.3381,
84.7695)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC8E7
RGB	255, 200, 231
RGB Percent	100%, 78%, 91%
CMY	0.0000, 0.2157, 0.0941
CMYK	0.00, 0.22, 0.09, 0.00
HSL	326°, 100%, 89%
HSV	326°, 22%, 100%
XYZ	76.3181, 68.3381, 84.7695
YIQ	219.9790, 22.8290, 21.3010

Conversions

Conversions Part 2

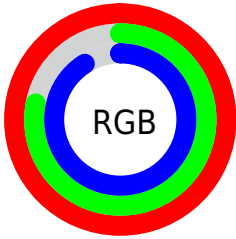
Format	Color
R _Y B	255, 200, 231
Decimal	16763111
CIE Lab	86.18, 24.32, -7.82
CIE LCh	86, 25.546, 342.166
Yxy	68.3381, 0.3326, 0.2979
Android (android.graphics.Color)	4294953191 (0xFFFFC8E7)
YUV	219.9790, 5.4334, 30.7134
Hunter-Lab	82.6669, 20.1243, -2.9312

Details

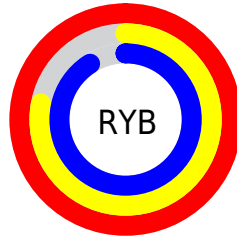
The XYZ color **76.3181, 68.3381, 84.7695** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **73.0362, 89.1823, 83.8888**, and the grayscale version is **67.9665, 71.5060, 77.8701**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3055, 35.6587, 45.2632** is the 20% darker color. If you saturate the color by 10%, you get **69.3755, 56.8886, 74.9464**, and if you desaturate by 10%, it is **84.3486, 81.8030, 95.4501**.

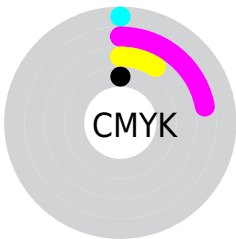
Distribution



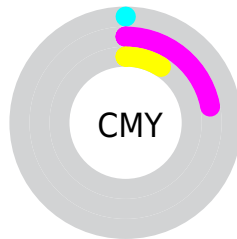
- Red (100%)
- Green (78%)
- Blue (91%)



- 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 76.3181, 68.3381, 84.7695 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 76.3181, 68.3381, 84.7695 by changing the saturation by 10% instead.


 76.3181, 68.3381,
84.7695

 76.3181, 68.3381,
84.7695

471.3636,
454.6930, 530.9897

 56.9914, 50.1728,
63.1019


127.1544,
116.8357, 141.9224

 41.2384, 35.5508,
45.4821

159.3947,
147.9368, 178.2447

 28.6939, 24.0874,
31.4916

196.6702,
184.1187, 220.2891

 18.9925, 15.3985,
20.7119

239.3463,
225.7657, 268.4740

 11.7688, 9.0995,
12.7244

287.7883,
273.2622, 323.2180

 6.6576, 4.8062,
7.1105

342.3617,

 3.2933, 2.1340,

326.9927, 384.9395

3.4518

403.4316,
387.3415, 454.0573

■ 1.3107, 0.6836,
1.3297

■ 0.1912, 0.0000,
0.0860

■ 76.3181, 68.3381,
84.7695

■ 76.3181, 68.3381,
84.7695

■ 69.3755, 56.8886,
74.9464

■ 84.3486, 81.8030,
95.4501

■ 63.4655, 47.3476,
65.9506

■ 93.5097, 97.3664,
107.0085

■ 58.5349, 39.6114,
57.7558

95.0500, 100.0000,
108.9000

■ 54.5233, 33.5625,
50.3324

■ 51.3637, 29.0698,
43.6479

■ 48.9788, 25.9823,
37.6665

■ 47.2761, 24.1185,
32.3466

■ 46.2528, 23.2651,
28.3268

Harmonies

Analogous

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



72.8399, 68.3381, 101.0733



76.3181, 68.3381, 84.7695



76.6407, 68.3381, 67.7933

Triad

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



76.3181, 68.3381, 84.7695



62.6004, 68.3381, 47.0386



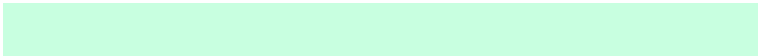
56.9306, 68.3381, 98.3220

Complementary

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



76.3181, 68.3381, 84.7695



73.0362, 89.1823, 83.8888

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.



54.5189, 68.3381, 81.4408



76.3181, 68.3381, 84.7695



57.6576, 68.3381, 52.9017

Square

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



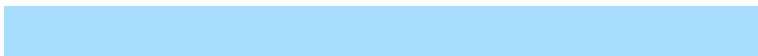
76.3181, 68.3381, 84.7695



68.4769, 68.3381, 47.6516



54.7768, 68.3381, 64.9283



61.5527, 68.3381, 109.6732

Rectangle

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



76.3181, 68.3381, 84.7695



74.9989, 68.3381, 58.4717



54.7768, 68.3381, 64.9283



55.8474, 68.3381, 93.0062

Sweetspot

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



76.3197, 68.3409, 84.7709



89.3053, 90.2011, 101.7738



69.3956, 64.3526, 103.3715



18.9866, 19.0885, 21.6219



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.



76.3197, 68.3409, 84.7709



73.1099, 63.0209, 80.3110



72.7555, 66.9153, 66.0022



18.4382, 18.1586, 20.9248



24.2444, 12.1871, 15.2036



2.4155, 1.2086, 1.7695

Inverse Universe

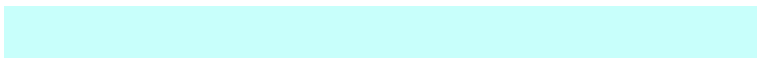
The Inverse Universe completely reimagines the original color for something new.



76.3197, 68.3409, 84.7709



73.1099, 63.0209, 80.3110



77.0463, 90.7863, 105.0056



18.4382, 18.1586, 20.9248



24.2444, 12.1871, 15.2036



2.4155, 1.2086, 1.7695

Previews

White Background



This preview shows how the XYZ color 76.3181, 68.3381, 84.7695 looks on a white background.

Color Contrast Check

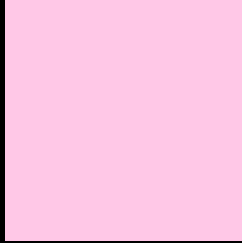
Large Text (above 18pt) WCAG AA × Fail

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 76.3181, 68.3381, 84.7695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

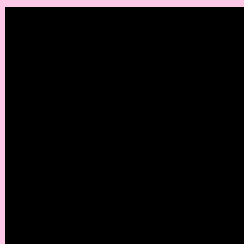
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.3181, 68.3381, 84.7695

Background



This preview shows how black text looks on a background with the XYZ color 76.3181, 68.3381, 84.7695.



This preview shows how white text looks on a background with the XYZ color 76.3181, 68.3381,

84.7695.

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

76.3181, 68.3381, 84.7695

Protanopia

67.2153, 68.5305, 92.1232

Deuteranopia

70.1444, 68.7393, 83.6997



Tritanopia

74.2834, 68.1857, 75.5757

Trichromacy



Original Color

76.3181, 68.3381, 84.7695

Protanomaly

70.0814, 68.2093, 89.5928

Deuteranomaly

72.2894, 68.3810, 84.2517

Tritanomaly

75.0790, 68.1718, 79.0134

Monochromacy



Original Color

76.3181, 68.3381, 84.7695

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

70.8531, 70.2940, 80.3547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.3181, 68.3381, 84.7695 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, 200, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 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, 200, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 231) }
```

Border

The CSS property to change the border of an element to XYZ 76.3181, 68.3381, 84.7695 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, 200, 231) }
```


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

```
.border{ border-color:rgb(255, 200, 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, 200, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 76.3181, 68.3381, 84.7695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 200, 231) }
```

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

```
.background{ background-color: rgb(255,  
200, 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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