

Converting Colors

XYZ(76.7728, 68.1472, 88.3316)

Have a look what the booklet for
XYZ(76.7728, 68.1472, 88.3316)
contains.

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Color

**XYZ(76.8037, 68.1630,
88.4657)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC7EC
RGB	255, 199, 236
RGB Percent	100%, 78%, 93%
CMY	0.0000, 0.2196, 0.0745
CMYK	0.00, 0.22, 0.07, 0.00
HSL	320°, 100%, 89%
HSV	320°, 22%, 100%
XYZ	76.8037, 68.1630, 88.4657
YIQ	219.9620, 21.4990, 23.3790

Conversions

Conversions Part 2

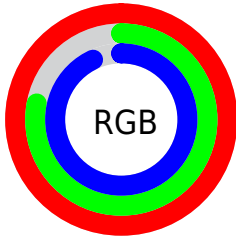
Format	Color
R _Y B	255, 199, 236
Decimal	16762860
CIE _{Lab}	86.09, 25.68, -10.61
CIE _{LCh}	86, 27.784, 337.549
Yxy	68.1630, 0.3290, 0.2920
Android (android.graphics.Color)	4294952940 (0xFFFFC7EC)
YUV	219.9620, 7.9067, 30.7283
Hunter-Lab	82.5609, 21.5712, -5.7378

Details

The XYZ color **76.8037, 68.1630, 88.4657** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **71.9703, 88.7251, 79.6653**, and the grayscale version is **67.9386, 71.4767, 77.8381**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6523, 35.5519, 47.8469** is the 20% darker color. If you saturate the color by 10%, you get **70.1942, 56.9069, 80.2105**, and if you desaturate by 10%, it is **84.4604, 81.4152, 97.3722**.

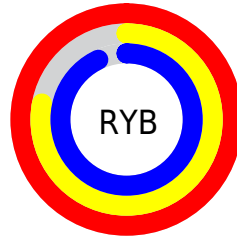
Distribution



Red (100%)

Green (78%)

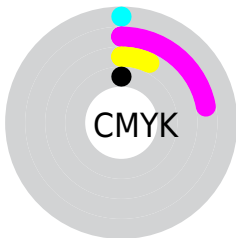
Blue (93%)



Red (100%)

Yellow (78%)

Blue (93%)

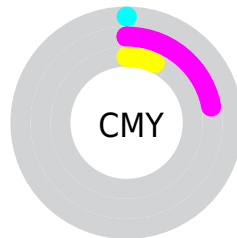


Cyan (0%)

Magenta (22%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.8037, 68.1630, 88.4657 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 76.8037, 68.1630, 88.4657 by changing the saturation by 10% instead.

 76.8037, 68.1630,
88.4657

 76.8037, 68.1630,
88.4657


472.9967,
454.0733, 543.4679

 57.3911, 50.0304,
66.1423


127.8367,
116.5853, 147.1222

 41.5607, 35.4375,
47.9307

160.1878,
147.6437, 184.2923

 28.9471, 24.0001,
33.4124

197.5824,
183.7796, 227.2484

 19.1849, 15.3337,
22.1689

240.3860,
225.3772, 276.4091

 11.9087, 9.0539,
13.7815

288.9639,
272.8210, 332.1928

 6.7533, 4.7764,
7.8319

343.6814,

 3.3533, 2.1167,

326.4953, 395.0182

3.9013

404.9039,
386.7846, 465.3037

■ 1.3432, 0.6740,
1.5714

■ 0.2152, 0.0000,
0.2703

■ 76.8037, 68.1630,
88.4657

■ 76.8037, 68.1630,
88.4657

■ 70.1942, 56.9069,
80.2105

■ 84.4604, 81.4152,
97.3722

■ 64.5772, 47.5402,
72.5815

■ 93.2058, 96.7463,
106.9454

■ 59.9003, 39.9591,
65.5579

95.0500, 100.0000,
108.9000

■ 56.1042, 34.0461,
59.1155

■ 53.1223, 29.6698,
53.2275

■ 50.8783, 26.6789,
47.8641

■ 49.2800, 24.8907,
42.9896

■ 48.3526, 24.1050,
39.3843

Harmonies

Analogous

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



72.5575, 68.1630, 105.7164



76.8037, 68.1630, 88.4657



77.7302, 68.1630, 69.6957

Triad

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



76.8037, 68.1630, 88.4657



63.1880, 68.1630, 44.5437



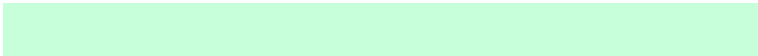
55.5360, 68.1630, 97.7644

Complementary

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



76.8037, 68.1630, 88.4657



71.9703, 88.7251, 79.6653

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.



53.3666, 68.1630, 78.9316



76.8037, 68.1630, 88.4657



57.5918, 68.1630, 49.6943

Square

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



76.8037, 68.1630, 88.4657



69.5875, 68.1630, 46.2435



54.0938, 68.1630, 61.5884



60.2123, 68.1630, 111.6701

Rectangle

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



76.8037, 68.1630, 88.4657



76.2881, 68.1630, 59.1203



54.0938, 68.1630, 61.5884



54.5039, 68.1630, 91.6891

Sweetspot

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



76.8053, 68.1658, 88.4671



88.6577, 88.7513, 102.0343



67.2899, 62.9243, 103.2068



18.8639, 18.7993, 21.7162



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.



76.8053, 68.1658, 88.4671



74.0104, 63.3812, 85.0532



73.0917, 66.6804, 68.9113



18.5154, 18.1895, 21.3311



25.3379, 12.6245, 20.9617



2.5182, 1.2497, 2.3102

Inverse Universe

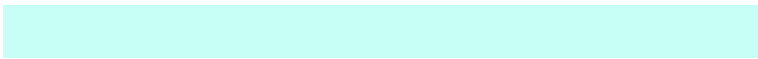
The Inverse Universe completely reimagines the original color for something new.



76.8053, 68.1658, 88.4671



74.0104, 63.3812, 85.0532



75.8984, 90.2964, 100.3503



18.5154, 18.1895, 21.3311



25.3379, 12.6245, 20.9617



2.5182, 1.2497, 2.3102

Previews

White Background



This preview shows how the XYZ color 76.8037, 68.1630, 88.4657 looks on a white background.

Color Contrast Check

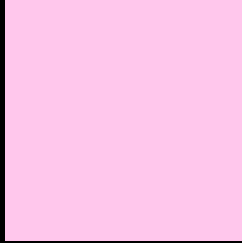
Large Text (above 18pt) WCAG AA × Fail

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 76.8037, 68.1630, 88.4657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

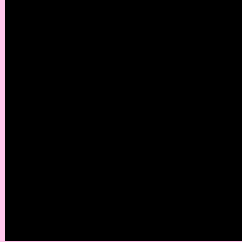
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.8037, 68.1630, 88.4657

Background



This preview shows how black text looks on a background with the XYZ color 76.8037, 68.1630, 88.4657.



This preview shows how white text looks on a background with the XYZ color 76.8037, 68.1630,

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

76.8037, 68.1630, 88.4657

Protanopia

67.5451, 68.5958, 96.8691

Deuteranopia

69.8928, 68.5277, 87.3853



Tritanopia

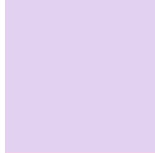
74.2834, 68.1857, 75.5757

Trichromacy



Original Color

76.8037, 68.1630, 88.4657



Protanomaly

70.5060, 68.3426, 93.4798



Deuteranomaly

72.3266, 68.3179, 87.9719



Tritanomaly

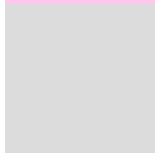
75.3503, 68.2804, 80.4422

Monochromacy



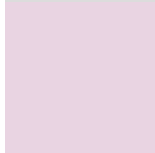
Original Color

76.8037, 68.1630, 88.4657



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 76.8037, 68.1630, 88.4657 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 236) }
```

Border

The CSS property to change the border of an element to XYZ 76.8037, 68.1630, 88.4657 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, 236) }
```


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

```
.border{ border-color:rgb(255, 199, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8037, 68.1630, 88.4657 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, 236) }
```

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

```
.background{ background-color: rgb(255,  
199, 236) }
```

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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