

Converting Colors

XYZ(113.9475, 89.6264,
83.0814)

Have a look what the booklet for
XYZ(113.9475, 89.6264, 83.0814)
contains.

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Color

**XYZ(76.7988, 70.4136,
81.4950)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCDE2
RGB	255, 205, 226
RGB Percent	100%, 80%, 89%
CMY	0.0000, 0.1961, 0.1137
CMYK	0.00, 0.20, 0.11, 0.00
HSL	335°, 100%, 90%
HSV	335°, 20%, 100%
XYZ	76.7988, 70.4136, 81.4950
YIQ	222.3440, 23.0590, 17.1310

Conversions

Conversions Part 2

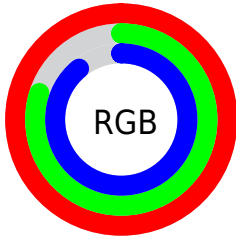
Format	Color
R _{YB}	255, 205, 226
Decimal	16764386
CIE Lab	87.20, 20.88, -3.66
CIE LCh	87, 21.196, 350.062
Yxy	70.4136, 0.3358, 0.3079
Android (android.graphics.Color)	4294954466 (0xFFFFCDE2)
YUV	222.3440, 1.8024, 28.6393
Hunter-Lab	83.9128, 16.5196, 1.1573

Details

The XYZ color **76.7988, 70.4136, 81.4950** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **75.7904, 90.4407, 91.3075**, and the grayscale version is **69.6519, 73.2793, 79.8011**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7060, 37.0793, 43.4869** is the 20% darker color. If you saturate the color by 10%, you get **69.2460, 58.4171, 69.3924**, and if you desaturate by 10%, it is **85.5240, 84.4741, 94.8542**.

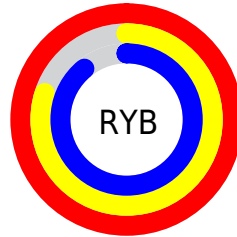
Distribution



Red (100%)

Green (80%)

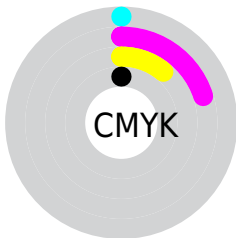
Blue (89%)



Red (100%)

Yellow (80%)

Blue (89%)

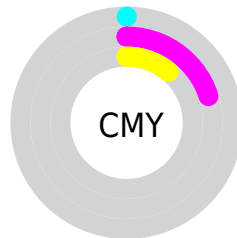


Cyan (0%)

Magenta (20%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.7988, 70.4136, 81.4950 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 76.7988, 70.4136, 81.4950 by changing the saturation by 10% instead.


 76.7988, 70.4136,
81.4950

 76.7988, 70.4136,
81.4950


472.9802,
462.0009, 519.7959

 57.3871, 51.8638,
60.4160


127.8298,
119.7984, 137.2959

 41.5575, 36.8965,
43.3265


160.1798,
151.4022, 172.8549

 28.9445, 25.1274,
29.8081


197.5732,
188.1260, 214.0776

 19.1829, 16.1720,
19.4422

240.3756,
230.3544, 261.3826

 11.9073, 9.6459,
11.8102

288.9520,
278.4717, 315.1883

 6.7524, 5.1648,
6.4936

343.6681,

 3.3527, 2.3443,

332.8623, 375.9135

3.0739

404.8890,
393.9105, 443.9765

■ 1.3429, 0.7970,
1.1325

■ 0.2150, 0.0000,
0.0000

■ 76.7988, 70.4136,
81.4950

■ 76.7988, 70.4136,
81.4950

■ 69.2460, 58.4171,
69.3924

■ 85.5240, 84.4741,
94.8542

■ 62.8082, 48.3778,
58.5027

95.0500, 100.0000,
108.9000

■ 57.4305, 40.1927,
48.7859

■ 53.0509, 33.7457,
40.1979

■ 49.6007, 28.9073,
32.6911

■ 47.0020, 25.5300,
26.2135

■ 45.1624, 23.4381,
20.7072

■ 43.9403, 22.3576,
16.0959

■ 43.8986, 22.3234,
15.9298

Harmonies

Analogous

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



74.5328, 70.4136, 95.6372



76.7988, 70.4136, 81.4950



76.3209, 70.4136, 67.6483

Triad

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



76.7988, 70.4136, 81.4950



63.6975, 70.4136, 53.7039



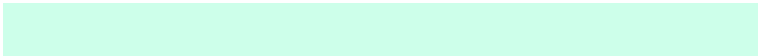
60.9703, 70.4136, 99.6540

Complementary

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



76.7988, 70.4136, 81.4950



75.7904, 90.4407, 91.3075

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.



58.3356, 70.4136, 86.4568



76.7988, 70.4136, 81.4950



59.8553, 70.4136, 60.3899

Square

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



76.7988, 70.4136, 81.4950



68.5907, 70.4136, 52.7230



57.9378, 70.4136, 72.0363



65.2884, 70.4136, 106.9475

Rectangle

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



76.7988, 70.4136, 81.4950



74.5185, 70.4136, 60.3512



57.9378, 70.4136, 72.0363



59.8676, 70.4136, 95.6898

Sweetspot

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



76.8004, 70.4165, 81.4965



88.9657, 90.0652, 99.9850



73.5968, 68.2657, 103.9054



18.9063, 19.0564, 21.1993



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.



76.8004, 70.4165, 81.4965



73.3396, 64.8955, 76.0252



74.8987, 70.9452, 67.5076



18.3258, 18.1136, 20.3330



23.0085, 11.6927, 8.6953



2.2933, 1.1597, 1.1261

Inverse Universe

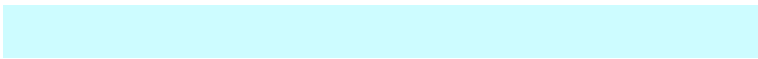
The Inverse Universe completely reimagines the original color for something new.



76.8004, 70.4165, 81.4965



73.3396, 64.8955, 76.0252



77.9344, 89.6118, 107.7970



18.3258, 18.1136, 20.3330



23.0085, 11.6927, 8.6953



2.2933, 1.1597, 1.1261

Previews

White Background



This preview shows how the XYZ color 76.7988, 70.4136, 81.4950 looks on a white background.

Color Contrast Check

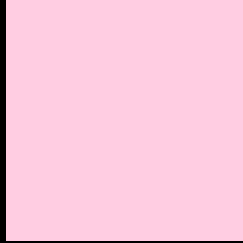
Large Text (above 18pt) WCAG AA × Fail

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 76.7988, 70.4136, 81.4950 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 76.7988, 70.4136, 81.4950

Background



This preview shows how black text looks on a background with the XYZ color 76.7988, 70.4136, 81.4950.



This preview shows how white text looks on a background with the XYZ color 76.7988, 70.4136,

81.4950.

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

76.7988, 70.4136, 81.4950

Protanopia

68.4343, 70.4143, 87.0752

Deuteranopia

72.0591, 70.5277, 81.0495



Tritanopia

76.1292, 70.4874, 78.7002

Trichromacy



Original Color

76.7988, 70.4136, 81.4950

Protanomaly

71.0322, 70.2906, 84.6866

Deuteranomaly

73.6993, 70.2703, 80.9133

Tritanomaly

76.2636, 70.5412, 79.4083

Monochromacy



Original Color

76.7988, 70.4136, 81.4950

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

71.8068, 71.9319, 79.9116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7988, 70.4136, 81.4950 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, 205, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 226)  
}
```

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, 205, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 226) }
```

Border

The CSS property to change the border of an element to XYZ 76.7988, 70.4136, 81.4950 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, 205, 226) }
```


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

```
.border{ border-color:rgb(255, 205, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 205, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 205, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 205, 226); box-shadow:4px 4px 4px 4px rgb(255, 205, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7988, 70.4136, 81.4950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 226) }
```

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

```
.background{ background-color: rgb(255,  
205, 226) }
```

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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