

Converting Colors

XYZ(76.8004, 70.3894, 83.4563)

Have a look what the booklet for
XYZ(76.8004, 70.3894, 83.4563)
contains.

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Color

**XYZ(76.8472, 70.3906,
83.6652)**

Conversions

Conversions Part 1

Format	Color
Hex	FECDE5
RGB	254, 205, 229
RGB Percent	100%, 80%, 90%
CMY	0.0039, 0.1961, 0.1020
CMYK	0.00, 0.19, 0.10, 0.00
HSL	331°, 96%, 90%
HSV	331°, 19%, 100%
XYZ	76.8472, 70.3906, 83.6652
YIQ	222.3870, 21.5000, 17.8520

Conversions

Conversions Part 2

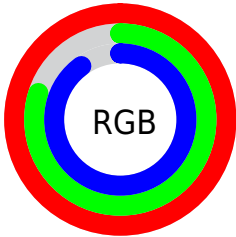
Format	Color
R _{YB}	254, 205, 229
Decimal	16698853
CIE Lab	87.19, 21.02, -5.28
CIE LCh	87, 21.676, 345.915
Yxy	70.3906, 0.3328, 0.3048
Android (android.graphics.Color)	4294888933 (0xFFFECD E5)
YUV	222.3870, 3.2602, 27.7246
Hunter-Lab	83.8991, 16.6732, -0.3953

Details

The XYZ color **76.8472, 70.3906, 83.6652** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **74.9043, 89.5778, 88.2094**, and the grayscale version is **69.6734, 73.3018, 79.8257**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7325, 37.0595, 44.9981** is the 20% darker color. If you saturate the color by 10%, you get **69.5152, 58.5146, 72.6241**, and if you desaturate by 10%, it is **85.3046, 84.2994, 95.7496**.

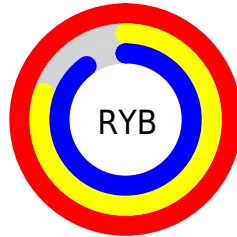
Distribution



Red (100%)

Green (80%)

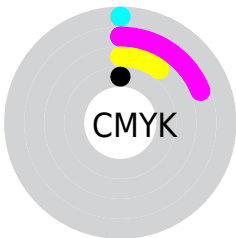
Blue (90%)



Red (100%)

Yellow (80%)

Blue (90%)

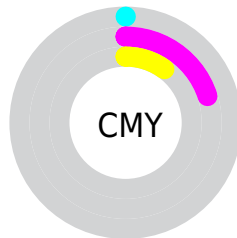


Cyan (0%)

Magenta (19%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (20%)

Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.8472, 70.3906, 83.6652 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 76.8472, 70.3906, 83.6652 by changing the saturation by 10% instead.


 76.8472, 70.3906,
83.6652

 76.8472, 70.3906,
83.6652

473.1428,
461.9203, 527.2297

 57.4270, 51.8450,
62.1953


127.8978,
119.7656, 140.3643

 41.5896, 36.8816,
44.7537


160.2588,
151.3638, 176.4305

 28.9698, 25.1158,
30.9219


197.6641,
188.0818, 218.1993

 19.2021, 16.1634,
20.2814

240.4791,
230.3037, 266.0891

 11.9213, 9.6398,
12.4137

289.0691,
278.4142, 320.5185

 6.7619, 5.1608,
6.9001

343.7995,

 3.3587, 2.3419,

332.7975, 381.9061

3.3222

405.0356,
393.8381, 450.6703

■ 1.3461, 0.7958,
1.2614

■ 0.2174, 0.0000,
0.0299

■ 76.8472, 70.3906,
83.6652

■ 76.8472, 70.3906,
83.6652

■ 69.5152, 58.5146,
72.6241

■ 85.3046, 84.2994,
95.7496

■ 63.2521, 48.5658,
62.5907

94.6709, 99.8060,
108.8168

■ 58.0055, 40.4433,
53.5332

94.6834, 99.8110,
108.8828

■ 53.7159, 34.0331,
45.4165

■ 50.3171, 29.2081,
38.2022

■ 47.7340, 25.8235,
31.8486

■ 45.8777, 23.7074,
26.3086

■ 44.6151, 22.5990,
21.5194

■ 44.5367, 22.5363,
21.2034

Harmonies

Analogous

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



74.1791, 70.3906, 97.8322



76.8472, 70.3906, 83.6652



76.7586, 70.3906, 69.2157

Triad

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



76.8472, 70.3906, 83.6652



64.2577, 70.3906, 52.7365



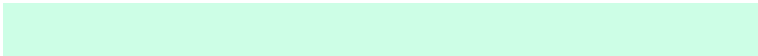
60.3269, 70.3906, 98.5782

Complementary

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



76.8472, 70.3906, 83.6652



74.9043, 89.5778, 88.2094

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.



57.9314, 70.3906, 84.5844



76.8472, 70.3906, 83.6652



60.1211, 70.3906, 58.7588

Square

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



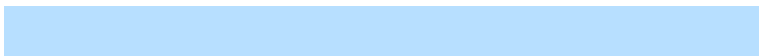
76.8472, 70.3906, 83.6652



69.3130, 70.3906, 52.5563



57.8580, 70.3906, 70.0259



64.5517, 70.3906, 107.1523

Rectangle

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



76.8472, 70.3906, 83.6652



75.1430, 70.3906, 61.3575



57.8580, 70.3906, 70.0259



59.2907, 70.3906, 94.2780

Sweetspot

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



76.8492, 70.3937, 83.6667



89.1302, 90.1310, 100.8514



72.1963, 67.5623, 103.0025



18.9452, 19.0719, 21.4039



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.



76.8492, 70.3937, 83.6667



74.6597, 66.3382, 80.1566



73.7263, 69.1446, 67.2218



18.3802, 18.1354, 20.6191



23.5542, 11.9110, 11.5686



2.3484, 1.1817, 1.4160

Inverse Universe

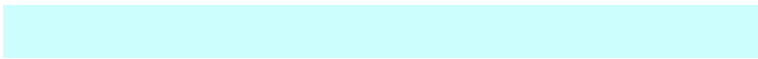
The Inverse Universe completely reimagines the original color for something new.



76.8492, 70.3937, 83.6667



74.6597, 66.3382, 80.1566



78.5102, 91.0201, 107.1975



18.3802, 18.1354, 20.6191



23.5542, 11.9110, 11.5686



2.3484, 1.1817, 1.4160

Previews

White Background



This preview shows how the XYZ color 76.8472, 70.3906, 83.6652 looks on a white background.

Color Contrast Check

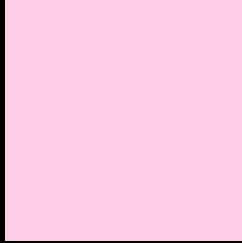
Large Text (above 18pt) WCAG AA × Fail

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 76.8472, 70.3906, 83.6652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

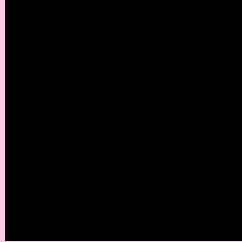
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.8472, 70.3906, 83.6652

Background



This preview shows how black text looks on a background with the XYZ color 76.8472, 70.3906, 83.6652.



This preview shows how white text looks on a background with the XYZ color 76.8472, 70.3906,

83.6652.

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

76.8472, 70.3906, 83.6652

Protanopia

68.5684, 70.4336, 89.3380

Deuteranopia

72.1391, 70.5213, 83.2086



Tritanopia

75.7641, 70.2992, 78.6831

Trichromacy



Original Color

76.8472, 70.3906, 83.6652

Protanomaly

71.1354, 70.2947, 86.9098

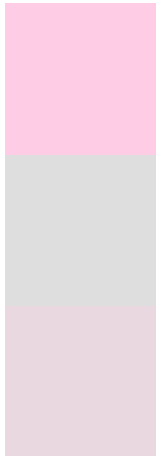
Deuteranomaly

73.7662, 70.2571, 83.0719

Tritanomaly

76.1699, 70.4615, 80.8200

Monochromacy



Original Color

76.8472, 70.3906, 83.6652

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

72.0782, 72.0404, 81.3404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8472, 70.3906, 83.6652 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(254, 205, 229)` looks like.

```
.text, #text, p{  
    color:rgb(254, 205, 229)  
}
```

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(254, 205, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 205, 229) }
```

Border

The CSS property to change the border of an element to XYZ 76.8472, 70.3906, 83.6652 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(254, 205, 229) }
```


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

```
.border{ border-color:rgb(254, 205, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 205, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 205, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 205, 229);  
box-shadow:4px 4px 4px 4px rgb(254, 205,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8472, 70.3906, 83.6652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 205, 229) }
```

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

```
.background{ background-color: rgb(254,  
205, 229) }
```

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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