

Converting Colors

XYZ(77.6421, 70.3714, 87.1063)

Have a look what the booklet for
XYZ(77.6421, 70.3714, 87.1063)
contains.

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Color

**XYZ(77.6841, 70.3862,
87.3334)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCCEA
RGB	255, 204, 234
RGB Percent	100%, 80%, 92%
CMY	0.0000, 0.2000, 0.0823
CMYK	0.00, 0.20, 0.08, 0.00
HSL	325°, 100%, 90%
HSV	325°, 20%, 100%
XYZ	77.6841, 70.3862, 87.3334
YIQ	222.6690, 20.7660, 20.1420

Conversions

Conversions Part 2

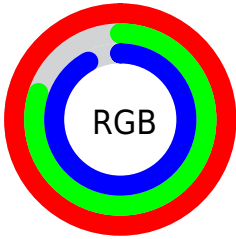
Format	Color
R _Y B	255, 204, 234
Decimal	16764138
CIE Lab	87.19, 22.72, -7.92
CIE LCh	87, 24.059, 340.785
Yxy	70.3862, 0.3300, 0.2990
Android (android.graphics.Color)	4294954218 (0xFFFFCCEA)
YUV	222.6690, 5.5862, 28.3543
Hunter-Lab	83.8965, 18.4635, -2.9913

Details

The XYZ color **77.6841, 70.3862, 87.3334** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **74.2547, 89.7947, 84.6559**, and the grayscale version is **69.8572, 73.4952, 80.0363**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2309, 37.0328, 47.0417** is the 20% darker color. If you saturate the color by 10%, you get **70.6482, 58.6572, 77.7650**, and if you desaturate by 10%, it is **85.8050, 84.1412, 97.7065**.

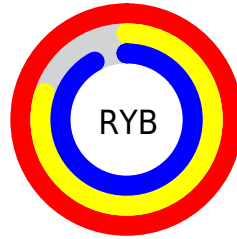
Distribution



Red (100%)

Green (80%)

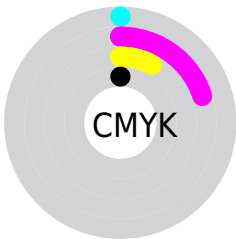
Blue (92%)



Red (100%)

Yellow (80%)

Blue (92%)

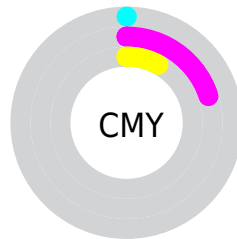


Cyan (0%)

Magenta (20%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.6841, 70.3862, 87.3334 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 77.6841, 70.3862, 87.3334 by changing the saturation by 10% instead.


 77.6841, 70.3862,
87.3334

 77.6841, 70.3862,
87.3334

475.9496,
461.9049, 539.6624

 58.1164, 51.8414,
65.2099


129.0724,
119.7593, 145.5317

 42.1459, 36.8787,
47.1789

161.6238,
151.3565, 182.4437

 29.4071, 25.1136,
32.8218


199.2337,
188.0733, 225.1222

 19.5348, 16.1617,
21.7199

242.2676,
230.2940, 273.9858

 12.1637, 9.6387,
13.4549

291.0907,
278.4032, 329.4531

 6.9282, 5.1600,
7.6081

346.0685,

 3.4632, 2.3415,

332.7851, 391.9426

3.7611

407.5664,
393.8242, 461.8729

■ 1.4032, 0.7955,
1.4952

■ 0.2585, 0.0000,
0.2144

■ 77.6841, 70.3862,
87.3334

■ 77.6841, 70.3862,
87.3334

■ 70.6482, 58.6572,
77.7650

■ 85.8050, 84.1412,
97.7065

■ 64.6425, 48.8485,
68.9726

95.0500, 100.0000,
108.9000

■ 59.6148, 40.8577,
60.9321

■ 55.5063, 34.5696,
53.6158

■ 52.2512, 29.8556,
46.9935

■ 49.7746, 26.5684,
41.0319

■ 47.9873, 24.5326,
35.6924

■ 46.7448, 23.4620,
30.9177

■ 46.7446, 23.4618,
30.9167

Harmonies

Analogous

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



74.2452, 70.3862, 102.6729



77.6841, 70.3862, 87.3334



78.1413, 70.3862, 70.9664

Triad

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



77.6841, 70.3862, 87.3334



64.8889, 70.3862, 49.9737



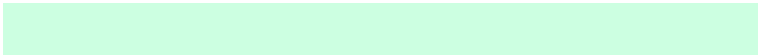
59.0120, 70.3862, 98.7955

Complementary

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



77.6841, 70.3862, 87.3334



74.2547, 89.7947, 84.6559

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.



56.7920, 70.3862, 82.6052



77.6841, 70.3862, 87.3334



60.0559, 70.3862, 55.4252

Square

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



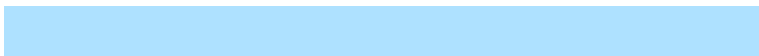
77.6841, 70.3862, 87.3334



70.5369, 70.3862, 50.8685



57.1631, 70.3862, 66.8546



63.3903, 70.3862, 109.9071

Rectangle

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



77.6841, 70.3862, 87.3334



76.6667, 70.3862, 61.8012



57.1631, 70.3862, 66.8546



58.0001, 70.3862, 93.6789

Sweetspot

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



77.6857, 70.3891, 87.3349



89.3639, 90.2245, 102.0822



70.5100, 66.3204, 103.6926



19.0004, 19.0940, 21.6948



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.



77.6857, 70.3891, 87.3349



74.7420, 65.4565, 83.4098



74.3559, 69.0572, 69.8004



18.4577, 18.1664, 21.0272



24.5011, 12.2897, 16.5552



2.4399, 1.2184, 1.8982

Inverse Universe

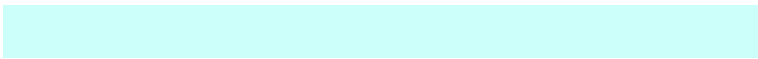
The Inverse Universe completely reimagines the original color for something new.



77.6857, 70.3891, 87.3349



74.7420, 65.4565, 83.4098



77.9032, 91.2541, 103.8686



18.4577, 18.1664, 21.0272



24.5011, 12.2897, 16.5552



2.4399, 1.2184, 1.8982

Previews

White Background



This preview shows how the XYZ color 77.6841, 70.3862, 87.3334 looks on a white background.

Color Contrast Check

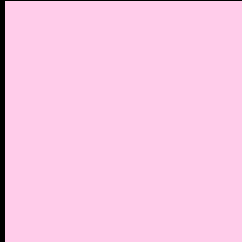
Large Text (above 18pt) WCAG AA × Fail

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 77.6841, 70.3862, 87.3334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

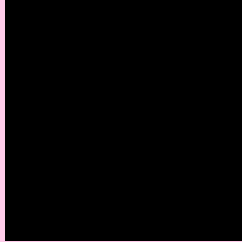
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.6841, 70.3862, 87.3334

Background



This preview shows how black text looks on a background with the XYZ color 77.6841, 70.3862, 87.3334.



This preview shows how white text looks on a background with the XYZ color 77.6841, 70.3862,

87.3334.

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

77.6841, 70.3862, 87.3334

Protanopia

69.1588, 70.6354, 93.9933

Deuteranopia

72.0407, 70.4056, 86.1366



Tritanopia

75.7641, 70.2992, 78.6831

Trichromacy



Original Color

77.6841, 70.3862, 87.3334

Protanomaly

71.7566, 70.1420, 91.4181

Deuteranomaly

74.1264, 70.3614, 86.7650

Tritanomaly

76.4318, 70.2245, 81.4778

Monochromacy



Original Color

77.6841, 70.3862, 87.3334

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

72.6819, 72.3200, 82.8014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6841, 70.3862, 87.3334 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, 204, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 234)  
}
```

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, 204, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 234) }
```

Border

The CSS property to change the border of an element to XYZ 77.6841, 70.3862, 87.3334 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, 204, 234) }
```


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

```
.border{ border-color:rgb(255, 204, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 204, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6841, 70.3862, 87.3334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 234) }
```

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

```
.background{ background-color: rgb(255,  
204, 234) }
```

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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