

Converting Colors

XYZ(77.0669, 70.1674, 83.9973)

Have a look what the booklet for
XYZ(77.0669, 70.1674, 83.9973)
contains.

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Color

**XYZ(77.1158, 70.1589,
84.3405)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCCE6
RGB	255, 204, 230
RGB Percent	100%, 80%, 90%
CMY	0.0000, 0.2000, 0.0980
CMYK	0.00, 0.20, 0.10, 0.00
HSL	329°, 100%, 90%
HSV	329°, 20%, 100%
XYZ	77.1158, 70.1589, 84.3405
YIQ	222.2130, 22.0500, 18.8980

Conversions

Conversions Part 2

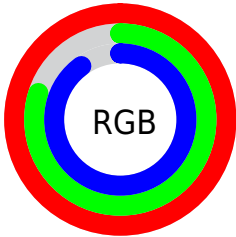
Format	Color
R _Y B	255, 204, 230
Decimal	16764134
CIE Lab	87.07, 22.05, -5.96
CIE LCh	87, 22.847, 344.873
Yxy	70.1589, 0.3329, 0.3029
Android (android.graphics.Color)	4294954214 (0xFFFFCCE6)
YUV	222.2130, 3.8390, 28.7542
Hunter-Lab	83.7609, 17.7572, -1.0676

Details

The XYZ color **77.1158, 70.1589, 84.3405** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **74.8070, 90.0156, 87.5641**, and the grayscale version is **69.5459, 73.1677, 79.6796**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9329, 36.9136, 45.4724** is the 20% darker color. If you saturate the color by 10%, you get **69.8509, 58.3384, 73.5664**, and if you desaturate by 10%, it is **85.5021, 84.0201, 96.1114**.

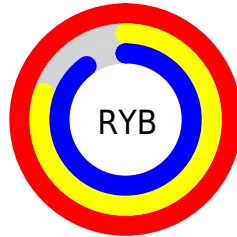
Distribution



Red (100%)

Green (80%)

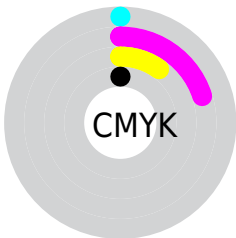
Blue (90%)



Red (100%)

Yellow (80%)

Blue (90%)

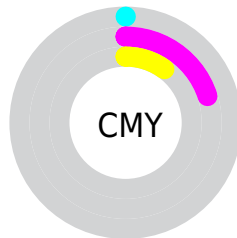


Cyan (0%)

Magenta (20%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.1158, 70.1589, 84.3405 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 77.1158, 70.1589, 84.3405 by changing the saturation by 10% instead.


 77.1158, 70.1589,
84.3405

 77.1158, 70.1589,
84.3405


474.0446,
461.1077, 529.5308

 57.6482, 51.6561,
62.7496


128.2749,
119.4353, 141.3174

 41.7680, 36.7310,
45.1990

160.6971,
150.9777, 177.5404

 29.1100, 24.9993,
31.2701


198.1682,
187.6355, 219.4778

 19.3088, 16.0765,
20.5444

241.0536,
229.7929, 267.5483

 11.9989, 9.5783,
12.6034

289.7185,
277.8345, 322.1703

 6.8151, 5.1203,
7.0285

344.5285,

 3.3921, 2.3180,

332.1445, 383.7623

3.4012

405.8487,
393.1075, 452.7430

■ 1.3643, 0.7832,
1.3030

■ 0.2306, 0.0000,
0.0642

■ 77.1158, 70.1589,
84.3405

■ 77.1158, 70.1589,
84.3405

■ 69.8509, 58.3384,
73.5664

■ 85.5021, 84.0201,
96.1114

■ 63.6516, 48.4522,
63.7549

95.0500, 100.0000,
108.9000

■ 58.4647, 40.3977,
54.8756

■ 54.2300, 34.0591,
46.8949

■ 50.8806, 29.3073,
39.7760

■ 48.3402, 25.9946,
33.4785

■ 46.5184, 23.9450,
27.9569

■ 45.2690, 22.8717,
23.1461

■ 45.2687, 22.8715,
23.1450

Harmonies

Analogous

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



74.2084, 70.1589, 99.2300



77.1158, 70.1589, 84.3405



77.1288, 70.1589, 69.0759

Triad

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



77.1158, 70.1589, 84.3405



64.0782, 70.1589, 51.3078



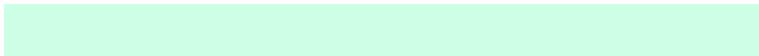
59.6561, 70.1589, 99.1197

Complementary

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



77.1158, 70.1589, 84.3405



74.8070, 90.0156, 87.5641

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.



57.2273, 70.1589, 84.2053



77.1158, 70.1589, 84.3405



59.6861, 70.1589, 57.3566

Square

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



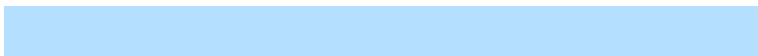
77.1158, 70.1589, 84.3405



69.4047, 70.1589, 51.3338



57.2380, 70.1589, 68.9576



64.0352, 70.1589, 108.5076

Rectangle

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



77.1158, 70.1589, 84.3405



75.4849, 70.1589, 60.7540



57.2380, 70.1589, 68.9576



58.5951, 70.1589, 94.5045

Sweetspot

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



77.1174, 70.1618, 84.3420



89.1776, 90.1500, 101.1009



71.8468, 67.0096, 103.7551



18.9564, 19.0764, 21.4629



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.



77.1174, 70.1618, 84.3420



74.0777, 65.1907, 79.9116



73.8363, 68.8494, 67.0641



18.3958, 18.1416, 20.7016



23.7296, 11.9811, 12.4923



2.3657, 1.1886, 1.5070

Inverse Universe

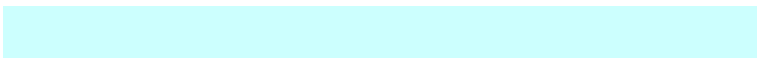
The Inverse Universe completely reimagines the original color for something new.



77.1174, 70.1618, 84.3420



74.0777, 65.1907, 79.9116



78.5769, 91.5236, 107.4164



18.3958, 18.1416, 20.7016



23.7296, 11.9811, 12.4923



2.3657, 1.1886, 1.5070

Previews

White Background



This preview shows how the XYZ color 77.1158, 70.1589, 84.3405 looks on a white background.

Color Contrast Check

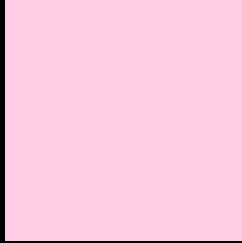
Large Text (above 18pt) WCAG AA × Fail

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 77.1158, 70.1589, 84.3405 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 77.1158, 70.1589, 84.3405

Background



This preview shows how black text looks on a background with the XYZ color 77.1158, 70.1589, 84.3405.



This preview shows how white text looks on a background with the XYZ color 77.1158, 70.1589,

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

77.1158, 70.1589, 84.3405

Protanopia

68.8607, 70.5505, 90.8772

Deuteranopia

71.9473, 70.4063, 83.9265



Tritanopia

75.7555, 69.9539, 77.9163

Trichromacy



Original Color

77.1158, 70.1589, 84.3405

Protanomaly

71.4939, 70.0740, 88.3548

Deuteranomaly

73.5613, 70.1353, 83.7891

Tritanomaly

76.1589, 70.1153, 80.0406

Monochromacy



Original Color

77.1158, 70.1589, 84.3405

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

71.8227, 71.5295, 81.2553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.1158, 70.1589, 84.3405 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 230) }
```

Border

The CSS property to change the border of an element to XYZ 77.1158, 70.1589, 84.3405 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, 230) }
```


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

```
.border{ border-color:rgb(255, 204, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 77.1158, 70.1589, 84.3405 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, 230) }
```

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

```
.background{ background-color: rgb(255,  
204, 230) }
```

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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