

Converting Colors

XYZ(77.2474, 70.2116, 85.0336)

Have a look what the booklet for
XYZ(77.2474, 70.2116, 85.0336)
contains.

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Color

**XYZ(77.2567, 70.2153,
85.0823)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCCE7
RGB	255, 204, 231
RGB Percent	100%, 80%, 91%
CMY	0.0000, 0.2000, 0.0941
CMYK	0.00, 0.20, 0.09, 0.00
HSL	328°, 100%, 90%
HSV	328°, 20%, 100%
XYZ	77.2567, 70.2153, 85.0823
YIQ	222.3270, 21.7290, 19.2090

Conversions

Conversions Part 2

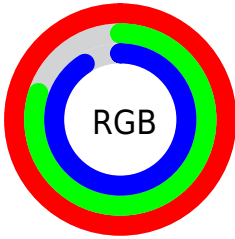
Format	Color
R _Y B	255, 204, 231
Decimal	16764135
CIE Lab	87.10, 22.22, -6.45
CIE LCh	87, 23.137, 343.809
Yxy	70.2153, 0.3322, 0.3019
Android (android.graphics.Color)	4294954215 (0xFFFFCCE7)
YUV	222.3270, 4.2758, 28.6542
Hunter-Lab	83.7946, 17.9325, -1.5450

Details

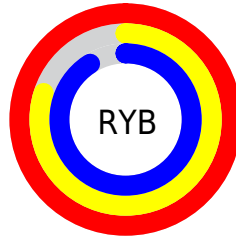
The XYZ color **77.2567, 70.2153, 85.0823** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **74.6678, 89.9599, 86.8309**, and the grayscale version is **69.6237, 73.2495, 79.7688**.

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 **70.0475, 58.4170, 74.6019**, and if you desaturate by 10%, it is **85.5775, 84.0503, 96.5086**.

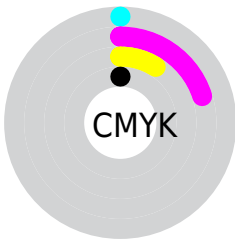
Distribution



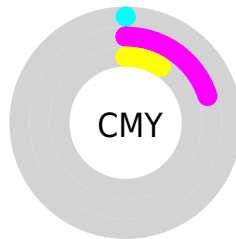
- Red (100%)
- Green (80%)
- Blue (91%)



- Red (100%)
- Yellow (80%)
- Blue (91%)



- Cyan (0%)
- Magenta (20%)
- Yellow (9%)
- Black (0%)



- Cyan (0%)
- Magenta (20%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2567, 70.2153, 85.0823 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 77.2567, 70.2153, 85.0823 by changing the saturation by 10% instead.

77.2567, 70.2153,
85.0823

77.2567, 70.2153,
85.0823

474.5173,
461.3056, 532.0520

57.7642, 51.7021,
63.3588

128.4727,
119.5157, 142.3633

41.8617, 36.7677,
45.6887

160.9269,
151.0717, 178.7580

29.1836, 25.0277,
31.6534

198.4325,
187.7441, 220.8802

19.3648, 16.0977,
20.8342

241.3547,
229.9173, 269.1483

12.0397, 9.5933,
12.8128

290.0590,
277.9756, 323.9811

6.8431, 5.1301,
7.1706

344.9106,

3.4096, 2.3238,

332.3035, 385.7969

3.4889

406.2749,
393.2854, 455.0144

■ 1.3739, 0.7863,
1.3494

■ 0.2375, 0.0000,
0.1018

■ 77.2567, 70.2153,
85.0823

■ 77.2567, 70.2153,
85.0823

■ 70.0475, 58.4170,
74.6019

■ 85.5775, 84.0503,
96.5086

■ 63.8947, 48.5494,
65.0346

95.0500, 100.0000,
108.9000

■ 58.7451, 40.5099,
56.3521

■ 54.5390, 34.1828,
48.5221

■ 51.2099, 29.4391,
41.5100

■ 48.6818, 26.1313,
35.2773

■ 46.8647, 24.0835,
29.7806

■ 45.6129, 23.0093,
24.9570

■ 45.6126, 23.0090,
24.9559

Harmonies

Analogous

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



74.2167, 70.2153, 100.0826



77.2567, 70.2153, 85.0823



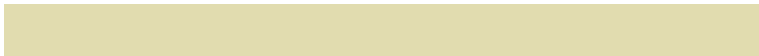
77.3804, 70.2153, 69.5460

Triad

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



77.2567, 70.2153, 85.0823



64.2803, 70.2153, 50.9724



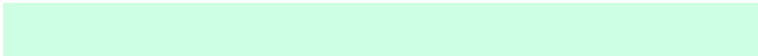
59.4943, 70.2153, 99.0364

Complementary

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



77.2567, 70.2153, 85.0823



74.6678, 89.9599, 86.8309

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.



57.1182, 70.2153, 83.8018



77.2567, 70.2153, 85.0823



59.7785, 70.2153, 56.8695

Square

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



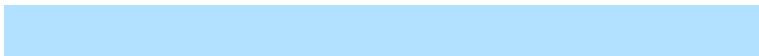
77.2567, 70.2153, 85.0823



69.6864, 70.2153, 51.2179



57.2194, 70.2153, 68.4270



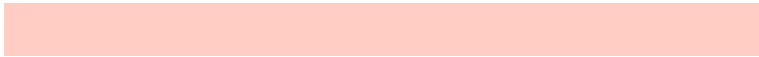
63.8730, 70.2153, 108.8541

Rectangle

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



77.2567, 70.2153, 85.0823



75.7786, 70.2153, 61.0155



57.2194, 70.2153, 68.4270



58.4458, 70.2153, 94.2956

Sweetspot

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



77.2583, 70.2182, 85.0838



89.2240, 90.1686, 101.3456



71.5768, 66.8704, 103.7425



18.9674, 19.0808, 21.5207



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.



77.2583, 70.2182, 85.0838



74.2420, 65.2565, 80.7769



73.9392, 68.8906, 67.6055



18.4112, 18.1478, 20.7827



23.9097, 12.0532, 13.4410



2.3832, 1.1957, 1.5996

Inverse Universe

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



77.2583, 70.2182, 85.0838



74.2420, 65.2565, 80.7769



78.4410, 91.4692, 106.7005



18.4112, 18.1478, 20.7827



23.9097, 12.0532, 13.4410



2.3832, 1.1957, 1.5996

Previews

White Background



This preview shows how the XYZ color 77.2567, 70.2153, 85.0823 looks on a white background.

Color Contrast Check

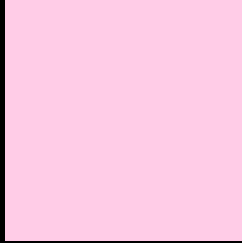
Large Text (above 18pt) WCAG AA × Fail

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 77.2567, 70.2153, 85.0823 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 77.2567, 70.2153, 85.0823

Background



This preview shows how black text looks on a background with the XYZ color 77.2567, 70.2153, 85.0823.



This preview shows how white text looks on a background with the XYZ color 77.2567, 70.2153,

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

77.2567, 70.2153, 85.0823

Protanopia

68.7117, 70.4566, 91.6393

Deuteranopia

71.9473, 70.4063, 83.9265



Tritanopia

76.1292, 70.4874, 78.7002

Trichromacy



Original Color

77.2567, 70.2153, 85.0823

Protanomaly

71.3169, 69.9661, 89.1029

Deuteranomaly

73.7013, 70.1913, 84.5267

Tritanomaly

76.2950, 70.1697, 80.7571

Monochromacy



Original Color

77.2567, 70.2153, 85.0823

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 77.2567, 70.2153, 85.0823 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 231) }
```

Border

The CSS property to change the border of an element to XYZ 77.2567, 70.2153, 85.0823 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, 231) }
```


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

```
.border{ border-color:rgb(255, 204, 231) }
```

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, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2567, 70.2153, 85.0823 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, 231) }
```

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

```
.background{ background-color: rgb(255,  
204, 231) }
```

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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