

Converting Colors

XYZ(77.2113, 67.3589, 93.5935)

Have a look what the booklet for
XYZ(77.2113, 67.3589, 93.5935)
contains.

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Color

**XYZ(77.1576, 67.2109,
93.7004)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC4F3
RGB	255, 196, 243
RGB Percent	100%, 77%, 95%
CMY	0.0000, 0.2313, 0.0471
CMYK	0.00, 0.23, 0.05, 0.00
HSL	312°, 100%, 88%
HSV	312°, 23%, 100%
XYZ	77.1576, 67.2109, 93.7004
YIQ	218.9990, 20.0770, 27.1250

Conversions

Conversions Part 2

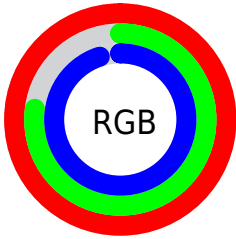
Format	Color
RYB	255, 196, 243
Decimal	16762099
CIELab	85.61, 28.45, -15.04
CIElCh	86, 32.184, 332.130
Yxy	67.2109, 0.3241, 0.2823
Android (android.graphics.Color)	4294952179 (0xFFFFC4F3)
YUV	218.9990, 11.8325, 31.5729
Hunter-Lab	81.9823, 24.5263, -10.3770

Details

The XYZ color **77.1576, 67.2109, 93.7004** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **69.9122, 87.8108, 72.9418**, and the grayscale version is **67.2435, 70.7453, 77.0417**.

A 20% lighter version of the original color is **94.4153, 98.7306, 108.6884**, and **41.9313, 34.9396, 51.5477** is the 20% darker color. If you saturate the color by 10%, you get **71.1151, 56.3616, 87.8771**, and if you desaturate by 10%, it is **84.2026, 80.0294, 99.9689**.

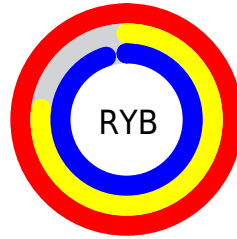
Distribution



Red (100%)

Green (77%)

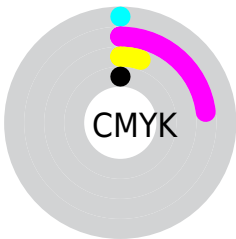
Blue (95%)



Red (100%)

Yellow (77%)

Blue (95%)

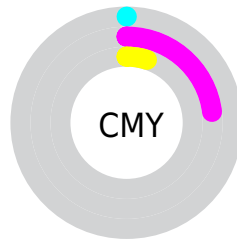


Cyan (0%)

Magenta (23%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (23%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.1576, 67.2109, 93.7004 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 77.1576, 67.2109, 93.7004 by changing the saturation by 10% instead.

77.1576, 67.2109,
93.7004

77.1576, 67.2109,
93.7004

474.1849,
450.6951, 560.8737

57.6826, 49.2560,
70.4629

128.3336,
115.2226, 154.4480

41.7958, 34.8226,
51.4249

160.7653,
146.0481, 192.7952

29.1318, 23.5263,
36.1678

198.2466,
181.9328, 237.0160

19.3254, 14.9826,
24.2731

241.1429,
223.2608, 287.5291

12.0110, 8.8072,
15.3222

289.8195,
270.4167, 344.7528

6.8234, 4.6156,
8.8967

344.6418,

3.3973, 2.0235,

323.7847, 409.1058

4.5780

405.9752,
383.7494, 481.0066

■ 1.3672, 0.6211,
1.9475

■ 0.2326, 0.0000,
0.5227

■ 77.1576, 67.2109,
93.7004

■ 77.1576, 67.2109,
93.7004

■ 71.1151, 56.3616,
87.8771

■ 84.2026, 80.0294,
99.9689

■ 66.0212, 47.3745,
82.4773

■ 92.2918, 94.9008,
106.6946

■ 61.8234, 40.1449,
77.4836

95.0500, 100.0000,
108.9000

■ 58.4623, 34.5541,
72.8753

■ 55.8712, 30.4690,
68.6292

■ 53.9730, 27.7357,
64.7187

■ 52.6738, 26.1669,
61.1116

■ 52.0357, 25.5783,
58.7794

Harmonies

Analogous

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



71.6684, 67.2109, 112.9252



77.1576, 67.2109, 93.7004



79.0138, 67.2109, 71.6921

Triad

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



77.1576, 67.2109, 93.7004



63.3599, 67.2109, 39.8233



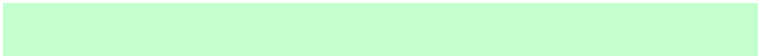
52.6828, 67.2109, 96.7959

Complementary

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



77.1576, 67.2109, 93.7004



69.9122, 87.8108, 72.9418

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.



50.8170, 67.2109, 74.6908



77.1576, 67.2109, 93.7004



56.6809, 67.2109, 44.0643

Square

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



77.1576, 67.2109, 93.7004



70.6938, 67.2109, 43.0039



52.2237, 67.2109, 55.9003



57.5223, 67.2109, 114.9392

Rectangle

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



77.1576, 67.2109, 93.7004



77.8354, 67.2109, 59.0147



52.2237, 67.2109, 55.9003



51.7045, 67.2109, 89.4508

Sweetspot

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



77.1591, 67.2136, 93.7018



89.0385, 88.9036, 104.0398



63.7487, 60.0840, 102.8452



18.9523, 18.8347, 22.1814



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.



77.1591, 67.2136, 93.7018



74.0968, 61.6947, 90.8139



73.0811, 65.5824, 72.2272



18.6250, 18.2333, 21.9086



27.2452, 13.3874, 31.0052



2.6909, 1.3187, 3.2198

Inverse Universe

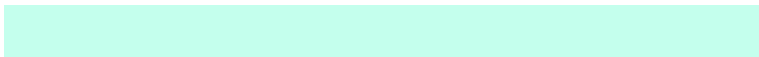
The Inverse Universe completely reimagines the original color for something new.



77.1591, 67.2136, 93.7018



74.0968, 61.6947, 90.8139



73.8566, 89.3886, 93.7132



18.6250, 18.2333, 21.9086



27.2452, 13.3874, 31.0052



2.6909, 1.3187, 3.2198

Previews

White Background



This preview shows how the XYZ color 77.1576, 67.2109, 93.7004 looks on a white background.

Color Contrast Check

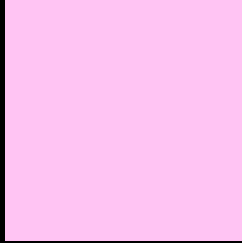
Large Text (above 18pt) WCAG AA × Fail

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 77.1576, 67.2109, 93.7004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

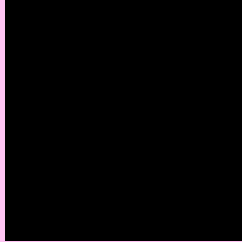
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.1576, 67.2109, 93.7004

Background



This preview shows how black text looks on a background with the XYZ color 77.1576, 67.2109, 93.7004.



This preview shows how white text looks on a background with the XYZ color 77.1576, 67.2109,

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

77.1576, 67.2109, 93.7004

Protanopia

66.8865, 67.3645, 103.2433

Deuteranopia

69.1091, 67.6398, 92.6324



Tritanopia

73.0650, 67.2404, 74.0935

Trichromacy



Original Color

77.1576, 67.2109, 93.7004



Protanomaly

70.0671, 66.8920, 99.6610



Deuteranomaly

71.8808, 67.2587, 93.1981



Tritanomaly

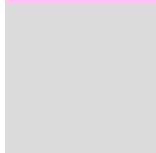
74.2958, 67.0333, 80.9744

Monochromacy



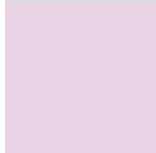
Original Color

77.1576, 67.2109, 93.7004



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

70.5766, 69.3458, 83.0641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.1576, 67.2109, 93.7004 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, 196, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 243)  
}
```

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, 196, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 243) }
```

Border

The CSS property to change the border of an element to XYZ 77.1576, 67.2109, 93.7004 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, 196, 243) }
```


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

```
.border{ border-color:rgb(255, 196, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 196, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 77.1576, 67.2109, 93.7004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 243) }
```

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

```
.background{ background-color: rgb(255,  
196, 243) }
```

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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