

Converting Colors

XYZ(87.2001, 72.5765, 90.6464)

Have a look what the booklet for
XYZ(87.2001, 72.5765, 90.6464)
contains.

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Color

**XYZ(76.4125, 66.9129,
89.7770)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC4EE
RGB	255, 196, 238
RGB Percent	100%, 77%, 93%
CMY	0.0000, 0.2313, 0.0667
CMYK	0.00, 0.23, 0.07, 0.00
HSL	317°, 100%, 88%
HSV	317°, 23%, 100%
XYZ	76.4125, 66.9129, 89.7770
YIQ	218.4290, 21.6820, 25.5700

Conversions

Conversions Part 2

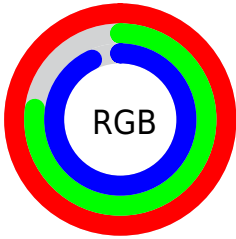
Format	Color
R_{YB}	255, 196, 238
Decimal	16762094
CIE _{Lab}	85.46, 27.59, -12.61
CIE _{LCh}	85, 30.338, 335.438
Yxy	66.9129, 0.3278, 0.2871
Android (android.graphics.Color)	4294952174 (0xFFFFC4EE)
YUV	218.4290, 9.6485, 32.0728
Hunter-Lab	81.8003, 23.5925, -7.8114

Details

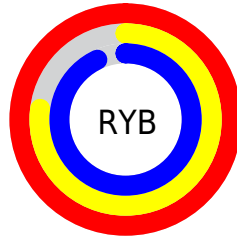
The XYZ color **76.4125, 66.9129, 89.7770** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **70.5373, 88.0609, 76.2337**, and the grayscale version is **66.8630, 70.3451, 76.6058**.

A 20% lighter version of the original color is **94.4153, 98.7306, 108.6884**, and **41.4052, 34.7292, 48.7771** is the 20% darker color. If you saturate the color by 10%, you get **70.0847, 55.9495, 82.4504**, and if you desaturate by 10%, it is **83.7650, 79.8544, 97.6643**.

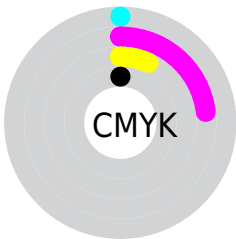
Distribution



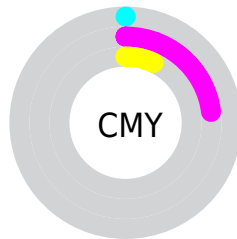
- Red (100%)
- Green (77%)
- Blue (93%)



- Red (100%)
- Yellow (77%)
- Blue (93%)



- Cyan (0%)
- Magenta (23%)
- Yellow (7%)
- Black (0%)




- Cyan (0%)
- Magenta (23%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.4125, 66.9129, 89.7770 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 76.4125, 66.9129, 89.7770 by changing the saturation by 10% instead.


 76.4125, 66.9129,
89.7770

 76.4125, 66.9129,
89.7770


471.6813,
449.6347, 547.8565

 57.0691, 49.0138,
67.2230


127.2871,
114.7956, 148.9614

 41.3010, 34.6305,
48.8032

159.5489,
145.5480, 186.4289

 28.7431, 23.3784,
34.0989


196.8476,
181.3537, 229.7047

 19.0299, 14.8731,
22.6916

239.5485,
222.5970, 279.2073

 11.7960, 8.7304,
14.1628

288.0170,
269.6624, 335.3553

 6.6761, 4.5657,
8.0939

342.6184,

 3.3049, 1.9948,

322.9342, 398.5671

4.0665

403.7180,
382.7968, 469.2613

■ 1.3170, 0.6044,
1.6619

■ 0.1959, 0.0000,
0.3344

■ 76.4125, 66.9129,
89.7770

■ 76.4125, 66.9129,
89.7770

■ 70.0847, 55.9495,
82.4504

■ 83.7650, 79.8544,
97.6643

■ 64.7269, 46.8568,
75.6612

■ 92.1839, 94.8577,
106.1260

■ 60.2865, 39.5301,
69.3900

95.0500, 100.0000,
108.9000

■ 56.7037, 33.8506,
63.6143

■ 53.9114, 29.6851,
58.3089

■ 51.8322, 26.8794,
53.4453

■ 50.3718, 25.2461,
48.9894

■ 49.6343, 24.6177,
46.1337

Harmonies

Analogous

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



71.5860, 66.9129, 108.3106



76.4125, 66.9129, 89.7770



77.7060, 66.9129, 69.3231

Triad

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



76.4125, 66.9129, 89.7770



62.3526, 66.9129, 41.2608



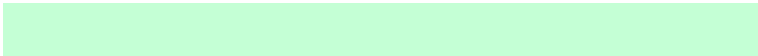
53.4128, 66.9129, 97.1203

Complementary

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



76.4125, 66.9129, 89.7770



70.5373, 88.0609, 76.2337

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.



51.3113, 66.9129, 76.5085



76.4125, 66.9129, 89.7770



56.2288, 66.9129, 46.1309

Square

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



76.4125, 66.9129, 89.7770



69.2608, 66.9129, 43.5324



52.3040, 66.9129, 58.2084



58.2539, 66.9129, 113.0577

Rectangle

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



76.4125, 66.9129, 89.7770



76.3159, 66.9129, 57.7573



52.3040, 66.9129, 58.2084



52.3791, 66.9129, 90.3821

Sweetspot

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



76.4141, 66.9157, 89.7784



88.8005, 88.8084, 102.7861



65.1510, 60.8070, 102.9108



18.8970, 18.8126, 21.8905



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.



76.4141, 66.9157, 89.7784



73.2102, 61.3401, 86.1448



72.4637, 65.3355, 68.9758



18.5564, 18.2059, 21.5472



26.0029, 12.8904, 24.4632



2.5792, 1.2740, 2.6312

Inverse Universe

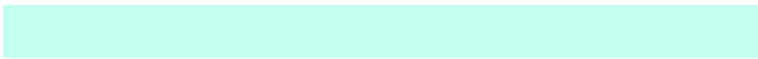
The Inverse Universe completely reimagines the original color for something new.



76.4141, 66.9157, 89.7784



73.2102, 61.3401, 86.1448



74.5863, 89.6805, 97.5551



18.5564, 18.2059, 21.5472



26.0029, 12.8904, 24.4632



2.5792, 1.2740, 2.6312

Previews

White Background



This preview shows how the XYZ color 76.4125, 66.9129, 89.7770 looks on a white background.

Color Contrast Check

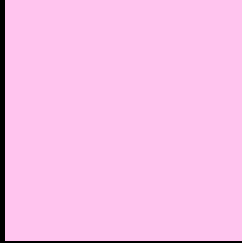
Large Text (above 18pt) WCAG AA × Fail

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 76.4125, 66.9129, 89.7770 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 76.4125, 66.9129, 89.7770

Background



This preview shows how black text looks on a background with the XYZ color 76.4125, 66.9129, 89.7770.



This preview shows how white text looks on a background with the XYZ color 76.4125, 66.9129,

89.7770.

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

76.4125, 66.9129, 89.7770

Protanopia

66.2189, 67.1297, 98.2741

Deuteranopia

68.7475, 67.1754, 88.6996



Tritanopia

73.0649, 66.9103, 73.3540

Trichromacy



Original Color

76.4125, 66.9129, 89.7770



Protanomaly

69.1409, 66.5216, 94.7838



Deuteranomaly

71.4710, 67.1330, 89.3118



Tritanomaly

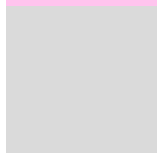
74.2507, 67.0572, 78.8419

Monochromacy



Original Color

76.4125, 66.9129, 89.7770



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

69.5922, 68.5184, 80.7916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.4125, 66.9129, 89.7770 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 238)  
}
```

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, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 238) }
```

Border

The CSS property to change the border of an element to XYZ 76.4125, 66.9129, 89.7770 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, 238) }
```


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

```
.border{ border-color:rgb(255, 196, 238) }
```

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, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 76.4125, 66.9129, 89.7770 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, 238) }
```

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

```
.background{ background-color: rgb(255,  
196, 238) }
```

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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