

Converting Colors

XYZ(100.3766, 84.8573,
94.5302)

Have a look what the booklet for
XYZ(100.3766, 84.8573, 94.5302)
contains.

XYZ(80.6607, 74.6978, 93.3859)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(80.6607, 74.6978,
93.3859)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD4F1
RGB	255, 212, 241
RGB Percent	100%, 83%, 95%
CMY	0.0000, 0.1686, 0.0549
CMYK	0.00, 0.17, 0.05, 0.00
HSL	320°, 100%, 92%
HSV	320°, 17%, 100%
XYZ	80.6607, 74.6978, 93.3859
YIQ	228.1630, 16.3190, 18.1350

Conversions

Conversions Part 2

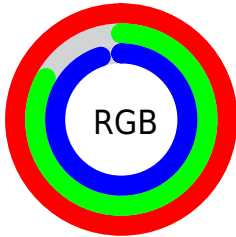
Format	Color
R_{YB}	255, 212, 241
Decimal	16766193
CIE Lab	89.25, 19.71, -8.55
CIE LCh	89, 21.488, 336.541
Yxy	74.6978, 0.3243, 0.3003
Android (android.graphics.Color)	4294956273 (0xFFFFD4F1)
YUV	228.1630, 6.3286, 23.5360
Hunter-Lab	86.4279, 15.3402, -3.5637

Details

The XYZ color **80.6607, 74.6978, 93.3859** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **76.6411, 91.0091, 85.4818**, and the grayscale version is **73.8103, 77.6542, 84.5654**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1026, 39.6225, 51.2224** is the 20% darker color. If you saturate the color by 10%, you get **73.5706, 62.4573, 85.0432**, and if you desaturate by 10%, it is **88.8172, 88.9802, 102.3650**.

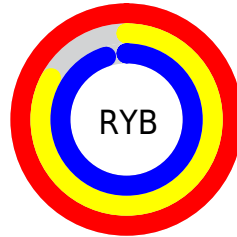
Distribution



Red (100%)

Green (83%)

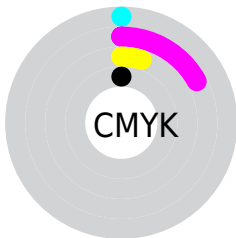
Blue (95%)



Red (100%)

Yellow (83%)

Blue (95%)

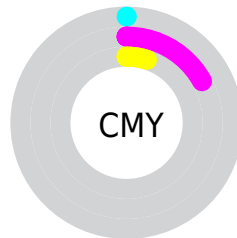


Cyan (0%)

Magenta (17%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (17%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.6607, 74.6978, 93.3859 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 80.6607, 74.6978, 93.3859 by changing the saturation by 10% instead.


 80.6607, 74.6978,
93.3859

 80.6607, 74.6978,
93.3859


485.8593,
476.8782, 559.8364

 60.5725, 55.3654,
70.2028


133.2399,
125.8845, 154.0091

 44.1315, 39.6943,
51.2141


166.4616,
158.5075, 192.2863

 30.9723, 27.3003,
36.0011


204.7919,
196.3295, 236.4320

 20.7294, 17.7989,
24.1454

248.5961,
239.7349, 286.8647

 13.0377, 10.8057,
15.2283

298.2396,
289.1081, 344.0030

 7.5317, 5.9363,
8.8314

354.0878,

 3.8461, 2.8064,

344.8335, 408.2653

4.5360

416.5059,
407.2954, 480.0703

■ 1.6154, 1.0315,
1.9238

■ 0.4024, 0.0000,
0.5078

■ 80.6607, 74.6978,
93.3859

■ 80.6607, 74.6978,
93.3859

■ 73.5706, 62.4573,
85.0432

■ 88.8172, 88.9802,
102.3650

■ 67.4942, 52.1551,
77.3126

95.0500, 100.0000,
108.9000

■ 62.3815, 43.6921,
70.1746

■ 58.1760, 36.9569,
63.6068

■ 54.8153, 31.8257,
57.5843

■ 52.2287, 28.1583,
52.0796

■ 50.3331, 25.7900,
47.0610

■ 49.0236, 24.5125,
42.4892

■ 48.6839, 24.2375,
41.1288

Harmonies

Analogous

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



77.1758, 74.6978, 106.8251



80.6607, 74.6978, 93.3859



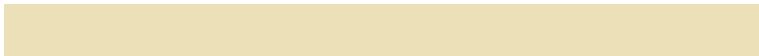
81.5000, 74.6978, 78.0860

Triad

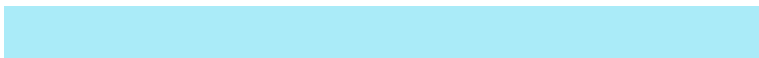
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.6607, 74.6978, 93.3859



69.8549, 74.6978, 55.8728



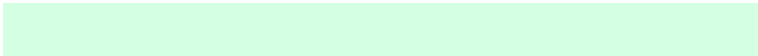
63.1971, 74.6978, 99.7775

Complementary

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



80.6607, 74.6978, 93.3859



76.6411, 91.0091, 85.4818

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.



61.4394, 74.6978, 84.6692



80.6607, 74.6978, 93.3859



65.1591, 74.6978, 60.2582

Square

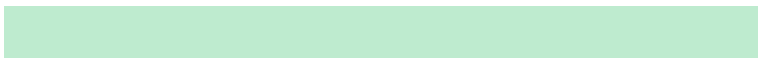
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



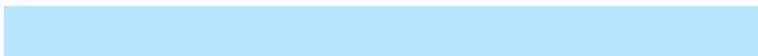
80.6607, 74.6978, 93.3859



75.0904, 74.6978, 57.6032



62.1396, 74.6978, 70.3649



67.0571, 74.6978, 110.8215

Rectangle

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



80.6607, 74.6978, 93.3859



80.4112, 74.6978, 69.0937



62.1396, 74.6978, 70.3649



62.3497, 74.6978, 94.9390

Sweetspot

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



80.6623, 74.7008, 93.3875



90.4553, 91.8687, 104.1067



72.8401, 70.4173, 104.3606



19.2278, 19.4283, 22.1417



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.



80.6623, 74.7008, 93.3875



78.3236, 70.6420, 90.7005



77.6884, 73.5112, 77.7269



18.5263, 18.1939, 21.3889



25.5099, 12.6933, 21.8675



2.5341, 1.2560, 2.3937

Inverse Universe

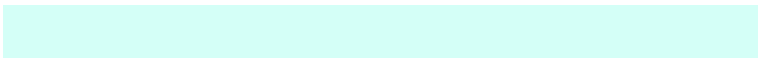
The Inverse Universe completely reimagines the original color for something new.



80.6623, 74.7008, 93.3875



78.3236, 70.6420, 90.7005



79.7197, 92.2406, 101.6935



18.5263, 18.1939, 21.3889



25.5099, 12.6933, 21.8675



2.5341, 1.2560, 2.3937

Previews

White Background



This preview shows how the XYZ color 80.6607, 74.6978, 93.3859 looks on a white background.

Color Contrast Check

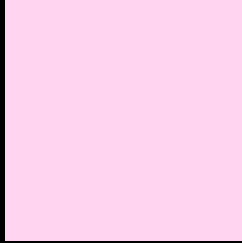
Large Text (above 18pt) WCAG AA × Fail

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 80.6607, 74.6978, 93.3859 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 80.6607, 74.6978, 93.3859

Background



This preview shows how black text looks on a background with the XYZ color 80.6607, 74.6978, 93.3859.



This preview shows how white text looks on a background with the XYZ color 80.6607, 74.6978,

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

80.6607, 74.6978, 93.3859

Protanopia

73.4552, 75.0823, 99.4278

Deuteranopia

76.3962, 74.7848, 92.8465



Tritanopia

79.2025, 74.8771, 85.1412

Trichromacy



Original Color

80.6607, 74.6978, 93.3859

Protanomaly

75.7446, 74.7480, 96.8218

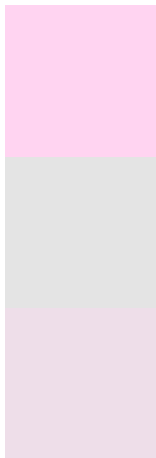
Deuteranomaly

77.9402, 74.8155, 92.7710

Tritanomaly

79.5186, 74.5998, 88.0500

Monochromacy



Original Color

80.6607, 74.6978, 93.3859

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

76.0892, 76.3029, 87.8084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.6607, 74.6978, 93.3859 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, 212, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 241)  
}
```

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, 212, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 241) }
```

Border

The CSS property to change the border of an element to XYZ 80.6607, 74.6978, 93.3859 is called "border". The border property can be set on classes, ids or directly on the HTML element.

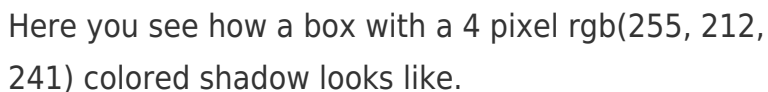
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 212, 241) }
```


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

```
.border{ border-color:rgb(255, 212, 241) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 212, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 80.6607, 74.6978, 93.3859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 241) }
```

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

```
.background{ background-color: rgb(255,  
212, 241) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor