

Converting Colors

XYZ(80.2834, 74.4071, 91.8305)

Have a look what the booklet for
XYZ(80.2834, 74.4071, 91.8305)
contains.

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Color

**XYZ(80.3635, 74.5790,
91.8209)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD4EF
RGB	255, 212, 239
RGB Percent	100%, 83%, 94%
CMY	0.0000, 0.1686, 0.0627
CMYK	0.00, 0.17, 0.06, 0.00
HSL	322°, 100%, 92%
HSV	322°, 17%, 100%
XYZ	80.3635, 74.5790, 91.8209
YIQ	227.9350, 16.9610, 17.5130

Conversions

Conversions Part 2

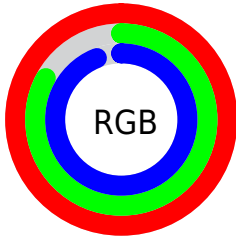
Format	Color
R_{YB}	255, 212, 239
Decimal	16766191
CIE _{Lab}	89.20, 19.37, -7.58
CIE _{LCh}	89, 20.802, 338.621
Yxy	74.5790, 0.3257, 0.3022
Android (android.graphics.Color)	4294956271 (0xFFFFD4EF)
YUV	227.9350, 5.4550, 23.7360
Hunter-Lab	86.3591, 14.9788, -2.5884

Details

The XYZ color **80.3635, 74.5790, 91.8209** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **76.9173, 91.1196, 86.9360**, and the grayscale version is **73.6496, 77.4851, 84.3812**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8929, 39.5386, 50.1181** is the 20% darker color. If you saturate the color by 10%, you get **73.1202, 62.2772, 82.6713**, and if you desaturate by 10%, it is **88.6904, 88.9296, 101.6969**.

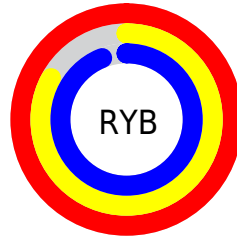
Distribution



Red (100%)

Green (83%)

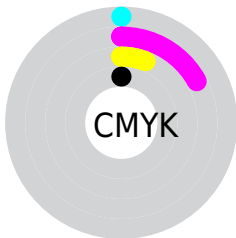
Blue (94%)



Red (100%)

Yellow (83%)

Blue (94%)

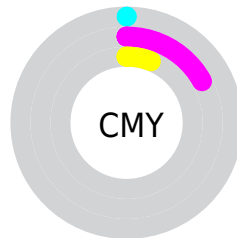


Cyan (0%)

Magenta (17%)

Yellow (6%)

Black (0%)



Cyan (0%)


Magenta (17%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.3635, 74.5790, 91.8209 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 80.3635, 74.5790, 91.8209 by changing the saturation by 10% instead.


 80.3635, 74.5790,
91.8209

 80.3635, 74.5790,
91.8209


484.8749,
476.4693, 554.6587

 60.3270, 55.2681,
68.9097


132.8245,
125.7162, 151.8227

 43.9327, 39.6164,
50.1669


165.9798,
158.3113, 189.7503

 30.8153, 27.2396,
35.1739


204.2386,
196.1033, 233.5205

 20.6094, 17.7532,
23.5122


247.9665,
239.4764, 283.5518

 12.9496, 10.7730,
14.7633

297.5287,
288.8152, 340.2627

 7.4706, 5.9144,
8.5087

353.2906,

 3.8071, 2.7931,

344.5040, 404.0718

4.3297

415.6175,
406.9273, 475.3977

■ 1.5936, 1.0247,
1.8079

■ 0.3882, 0.0000,
0.4332

■ 80.3635, 74.5790,
91.8209

■ 80.3635, 74.5790,
91.8209

■ 73.1202, 62.2772,
82.6713

■ 88.6904, 88.9296,
101.6969

■ 66.9073, 51.9204,
74.2217

95.0500, 100.0000,
108.9000

■ 61.6743, 43.4093,
66.4508

■ 57.3646, 36.6324,
59.3339

■ 53.9151, 31.4656,
52.8440

■ 51.2548, 27.7688,
46.9513

■ 49.3002, 25.3769,
41.6218

■ 47.9458, 24.0814,
36.8139

■ 47.5949, 23.8020,
35.3944

Harmonies

Analogous

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



77.1506, 74.5790, 105.0482



80.3635, 74.5790, 91.8209



80.9751, 74.5790, 77.0871

Triad

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



80.3635, 74.5790, 91.8209



69.4327, 74.5790, 56.5931



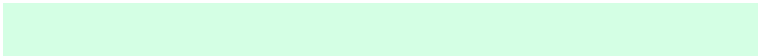
63.5327, 74.5790, 99.9218

Complementary

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



80.3635, 74.5790, 91.8209



76.9173, 91.1196, 86.9360

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.



61.6702, 74.5790, 85.4646



80.3635, 74.5790, 91.8209



64.9684, 74.5790, 61.2718

Square

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



80.3635, 74.5790, 91.8209



74.5013, 74.5790, 57.8656



62.1829, 74.5790, 71.4385



67.3878, 74.5790, 110.0996

Rectangle

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



80.3635, 74.5790, 91.8209



79.7986, 74.5790, 68.5417



62.1829, 74.5790, 71.4385



62.6614, 74.5790, 95.3367

Sweetspot

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



80.3652, 74.5820, 91.8225



90.3620, 91.8314, 103.6154



73.5171, 70.7664, 104.3923



19.2051, 19.4192, 22.0222



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.



80.3652, 74.5820, 91.8225



77.9764, 70.5032, 88.8725



77.4057, 73.3982, 76.2380



18.4892, 18.1790, 21.1932



24.9440, 12.4669, 18.8875



2.4816, 1.2350, 2.1175

Inverse Universe

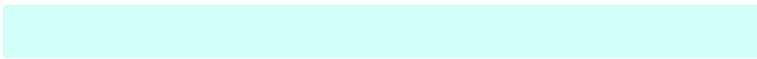
The Inverse Universe completely reimagines the original color for something new.



80.3652, 74.5820, 91.8225



77.9764, 70.5032, 88.8725



80.0537, 92.3742, 103.4521



18.4892, 18.1790, 21.1932



24.9440, 12.4669, 18.8875



2.4816, 1.2350, 2.1175

Previews

White Background



This preview shows how the XYZ color 80.3635, 74.5790, 91.8209 looks on a white background.

Color Contrast Check

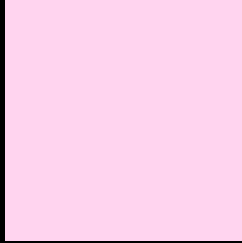
Large Text (above 18pt) WCAG AA × Fail

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 80.3635, 74.5790, 91.8209 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 80.3635, 74.5790, 91.8209

Background



This preview shows how black text looks on a background with the XYZ color 80.3635, 74.5790, 91.8209.



This preview shows how white text looks on a background with the XYZ color 80.3635, 74.5790,

91.8209.

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

80.3635, 74.5790, 91.8209

Protanopia

73.1464, 74.9588, 97.8020

Deuteranopia

76.4392, 74.8411, 91.3059



Tritanopia

78.9502, 74.3725, 85.0571

Trichromacy



Original Color

80.3635, 74.5790, 91.8209

Protanomaly

75.4409, 74.6265, 95.2222

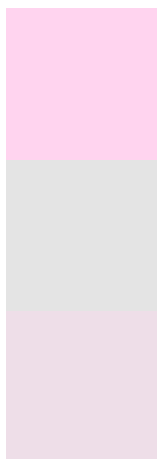
Deuteranomaly

77.6447, 74.6973, 91.2146

Tritanomaly

79.3753, 74.5425, 87.2954

Monochromacy



Original Color

80.3635, 74.5790, 91.8209

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

75.9467, 76.2459, 87.0580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.3635, 74.5790, 91.8209 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, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 239)  
}
```

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, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 239) }
```

Border

The CSS property to change the border of an element to XYZ 80.3635, 74.5790, 91.8209 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, 239) }
```


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

```
.border{ border-color:rgb(255, 212, 239) }
```

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, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 80.3635, 74.5790, 91.8209 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, 239) }
```

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

```
.background{ background-color: rgb(255,  
212, 239) }
```

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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