

Converting Colors

XYZ(80.0567, 74.3164, 90.6364)

Have a look what the booklet for
XYZ(80.0567, 74.3164, 90.6364)
contains.

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Color

**XYZ(80.2161, 74.5200,
91.0449)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD4EE
RGB	255, 212, 238
RGB Percent	100%, 83%, 93%
CMY	0.0000, 0.1686, 0.0667
CMYK	0.00, 0.17, 0.07, 0.00
HSL	324°, 100%, 92%
HSV	324°, 17%, 100%
XYZ	80.2161, 74.5200, 91.0449
YIQ	227.8210, 17.2820, 17.2020

Conversions

Conversions Part 2

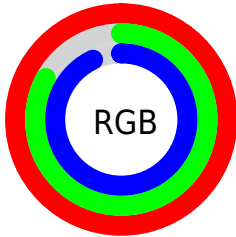
Format	Color
R _Y B	255, 212, 238
Decimal	16766190
CIE Lab	89.17, 19.20, -7.10
CIE LCh	89, 20.471, 339.715
Yxy	74.5200, 0.3264, 0.3032
Android (android.graphics.Color)	4294956270 (0xFFFFD4EE)
YUV	227.8210, 5.0182, 23.8360
Hunter-Lab	86.3250, 14.7996, -2.1043

Details

The XYZ color **80.2161, 74.5200, 91.0449** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **77.0566, 91.1753, 87.6693**, and the grayscale version is **73.5692, 77.4005, 84.2891**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7892, 39.4971, 49.5717** is the 20% darker color. If you saturate the color by 10%, you get **72.8981, 62.1883, 81.5016**, and if you desaturate by 10%, it is **88.6271, 88.9042, 101.3638**.

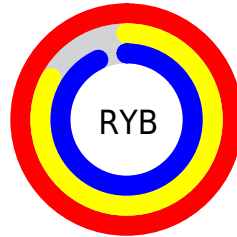
Distribution



Red (100%)

Green (83%)

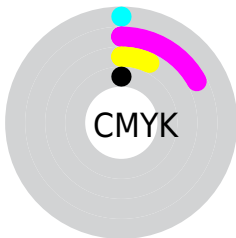
Blue (93%)



Red (100%)

Yellow (83%)

Blue (93%)

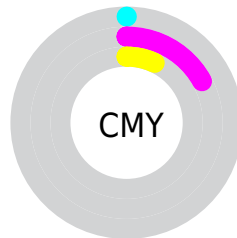


Cyan (0%)

Magenta (17%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (17%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.2161, 74.5200, 91.0449 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 80.2161, 74.5200, 91.0449 by changing the saturation by 10% instead.

80.2161, 74.5200,
91.0449

80.2161, 74.5200,
91.0449

484.3863,
476.2661, 552.0816

60.2053, 55.2197,
68.2690

132.6184,
125.6327, 150.7371

43.8342, 39.5777,
49.6486

165.7407,
158.2139, 188.4906

30.7375, 27.2094,
34.7650

203.9641,
195.9908, 232.0736

20.5499, 17.7306,
23.1998

247.6540,
239.3480, 281.9048

12.9060, 10.7567,
14.5344

297.1759,
288.6697, 338.4026

7.4404, 5.9035,
8.3503

352.8949,

3.7878, 2.7865,

344.3404, 401.9857

4.2290

415.1766,
406.7444, 473.0725

■ 1.5828, 1.0213,
1.7518

■ 0.3812, 0.0000,
0.3959

■ 80.2161, 74.5200,
91.0449

■ 80.2161, 74.5200,
91.0449

■ 72.8981, 62.1883,
81.5016

■ 88.6271, 88.9042,
101.3638

■ 66.6195, 51.8053,
72.7064

95.0500, 100.0000,
108.9000

■ 61.3298, 43.2715,
64.6368

■ 56.9720, 36.4753,
57.2666

■ 53.4829, 31.2927,
50.5678

■ 50.7910, 27.5832,
44.5090

■ 48.8127, 25.1819,
39.0548

■ 47.4423, 23.8799,
34.1622

■ 47.0878, 23.5991,
32.7241

Harmonies

Analogous

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



77.1389, 74.5200, 104.1680



80.2161, 74.5200, 91.0449



80.7142, 74.5200, 76.5901

Triad

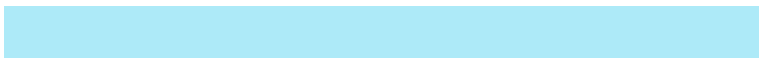
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.2161, 74.5200, 91.0449



69.2221, 74.5200, 56.9550



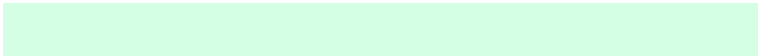
63.7012, 74.5200, 99.9962

Complementary

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



80.2161, 74.5200, 91.0449



77.0566, 91.1753, 87.6693

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.



61.7858, 74.5200, 85.8658



80.2161, 74.5200, 91.0449



64.8730, 74.5200, 61.7829

Square

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



80.2161, 74.5200, 91.0449



74.2081, 74.5200, 57.9962



62.2044, 74.5200, 71.9801



67.5541, 74.5200, 109.7422

Rectangle

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



80.2161, 74.5200, 91.0449



79.4940, 74.5200, 68.2658



62.2044, 74.5200, 71.9801



62.8178, 74.5200, 95.5380

Sweetspot

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



80.2178, 74.5230, 91.0465



90.3155, 91.8127, 103.3703



73.7446, 70.8837, 104.4029



19.1937, 19.4147, 21.9626



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.



80.2178, 74.5230, 91.0465



77.8046, 70.4344, 87.9676



77.3122, 73.3608, 75.7458



18.4707, 18.1716, 21.0958



24.6800, 12.3613, 17.4972



2.4568, 1.2251, 1.9872

Inverse Universe

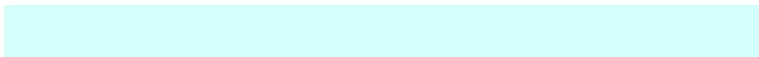
The Inverse Universe completely reimagines the original color for something new.



80.2178, 74.5230, 91.0465



77.8046, 70.4344, 87.9676



80.1659, 92.4190, 104.0428



18.4707, 18.1716, 21.0958



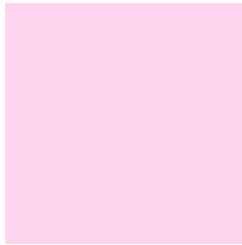
24.6800, 12.3613, 17.4972



2.4568, 1.2251, 1.9872

Previews

White Background



This preview shows how the XYZ color 80.2161, 74.5200, 91.0449 looks on a white background.

Color Contrast Check

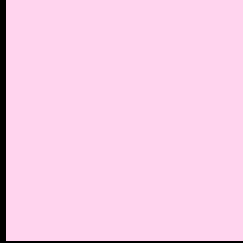
Large Text (above 18pt) WCAG AA × Fail

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 80.2161, 74.5200, 91.0449 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 80.2161, 74.5200, 91.0449

Background



This preview shows how black text looks on a background with the XYZ color 80.2161, 74.5200, 91.0449.



This preview shows how white text looks on a background with the XYZ color 80.2161, 74.5200,

91.0449.

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

80.2161, 74.5200, 91.0449

Protanopia

72.9933, 74.8975, 96.9957

Deuteranopia

76.2926, 74.7825, 90.5342



Tritanopia

78.9502, 74.3725, 85.0571

Trichromacy



Original Color

80.2161, 74.5200, 91.0449

Protanomaly

75.2902, 74.5663, 94.4289

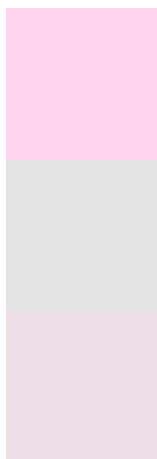
Deuteranomaly

77.4981, 74.6386, 90.4429

Tritanomaly

79.3753, 74.5425, 87.2954

Monochromacy



Original Color

80.2161, 74.5200, 91.0449

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 80.2161, 74.5200, 91.0449 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 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, 212, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 238) }
```

Border

The CSS property to change the border of an element to XYZ 80.2161, 74.5200, 91.0449 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, 238) }
```


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

```
.border{ border-color:rgb(255, 212, 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, 212, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2161, 74.5200, 91.0449 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, 238) }
```

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

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