

Converting Colors

XYZ(76.1203, 64.6042, 89.4942)

Have a look what the booklet for
XYZ(76.1203, 64.6042, 89.4942)
contains.

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Color

**XYZ(74.8702, 63.8282,
89.2629)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBDEE
RGB	255, 189, 238
RGB Percent	100%, 74%, 93%
CMY	0.0000, 0.2588, 0.0667
CMYK	0.00, 0.26, 0.07, 0.00
HSL	315°, 100%, 87%
HSV	315°, 26%, 100%
XYZ	74.8702, 63.8282, 89.2629
YIQ	214.3200, 23.6070, 29.2310

Conversions

Conversions Part 2

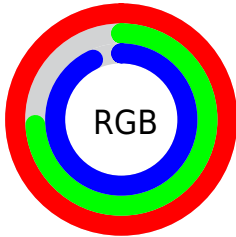
Format	Color
R _Y B	255, 189, 238
Decimal	16760302
CIE Lab	83.88, 31.27, -14.98
CIE LCh	84, 34.674, 334.399
Yxy	63.8282, 0.3284, 0.2800
Android (android.graphics.Color)	4294950382 (0xFFFFBDEE)
YUV	214.3200, 11.6742, 35.6764
Hunter-Lab	79.8926, 27.4668, -10.3192

Details

The XYZ color **74.8702, 63.8282, 89.2629** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **67.8888, 86.7960, 71.5707**, and the grayscale version is **64.0460, 67.3814, 73.3783**.

A 20% lighter version of the original color is **92.2458, 94.3915, 107.9653**, and **40.3962, 32.7111, 48.4407** is the 20% darker color. If you saturate the color by 10%, you get **68.9122, 53.4284, 82.6029**, and if you desaturate by 10%, it is **81.8305, 76.1759, 96.4325**.

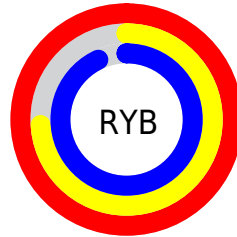
Distribution



Red (100%)

Green (74%)

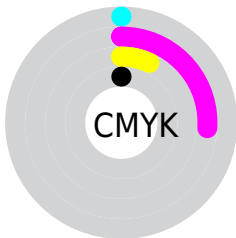
Blue (93%)



Red (100%)

Yellow (74%)

Blue (93%)

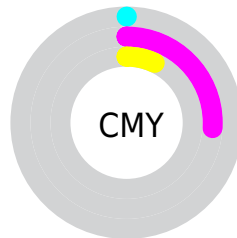


Cyan (0%)

Magenta (26%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (26%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.8702, 63.8282, 89.2629 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 74.8702, 63.8282, 89.2629 by changing the saturation by 10% instead.


 74.8702, 63.8282,
89.2629

 74.8702, 63.8282,
89.2629


466.4754,
438.5690, 546.1383

 55.8004, 46.5115,
66.7992

 125.1175,
110.3635, 148.2407

 40.2793, 32.6497,
48.4609

157.0257,
140.3509, 185.5918

 27.9415, 21.8582,
33.8294


193.9440,
175.3307, 228.7425

 18.4218, 13.7528,
22.4863

236.2378,
215.6872, 278.1113

 11.3548, 7.9489,
14.0129

284.2725,
261.8049, 334.1167

 6.3750, 4.0623,
7.9908

338.4134,

 3.1173, 1.7085,

314.0682, 397.1773

4.0014

399.0259,
372.8614, 467.7117

■ 1.2161, 0.4291,
1.6261

■ 0.1190, 0.0000,
0.3093

■ 74.8702, 63.8282,
89.2629

■ 74.8702, 63.8282,
89.2629

■ 68.9122, 53.4284,
82.6029

■ 81.8305, 76.1759,
96.4325

■ 63.9014, 44.8675,
76.4296

■ 89.8361, 90.5573,
104.1251

■ 59.7838, 38.0378,
70.7242

95.0500, 100.0000,
108.9000

■ 56.4980, 32.8171,
65.4641

■ 53.9746, 29.0672,
60.6244

■ 52.1325, 26.6267,
56.1761

■ 50.8711, 25.2949,
52.0837

■ 50.4598, 24.9479,
50.4806

Harmonies

Analogous

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



69.3310, 63.8282, 110.2130



74.8702, 63.8282, 89.2629



76.4878, 63.8282, 66.3274

Triad

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



74.8702, 63.8282, 89.2629



59.5493, 63.8282, 35.4807



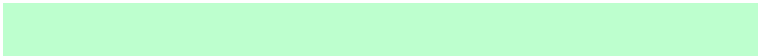
49.3573, 63.8282, 96.0166

Complementary

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



74.8702, 63.8282, 89.2629



67.8888, 86.7960, 71.5707

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.



47.1932, 63.8282, 72.7682



74.8702, 63.8282, 89.2629



52.7562, 63.8282, 40.2941

Square

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



74.8702, 63.8282, 89.2629



67.2240, 63.8282, 38.0963



48.3839, 63.8282, 52.8900



54.5505, 63.8282, 114.6503

Rectangle

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



74.8702, 63.8282, 89.2629



75.0198, 63.8282, 53.5581



48.3839, 63.8282, 52.8900



48.2722, 63.8282, 88.3231

Sweetspot

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



74.8716, 63.8308, 89.2642



88.0493, 87.3340, 102.4497



61.5650, 56.6687, 102.3011



18.5811, 18.2157, 21.6771



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.



74.8716, 63.8308, 89.2642



71.6987, 58.2683, 85.7915



70.5193, 62.0899, 66.3451



18.5811, 18.2157, 21.6771



26.4303, 13.0614, 26.7144



2.6179, 1.2895, 2.8352

Inverse Universe

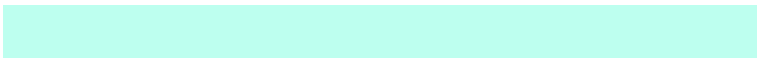
The Inverse Universe completely reimagines the original color for something new.



74.8716, 63.8308, 89.2642



71.6987, 58.2683, 85.7915



72.2541, 88.5421, 94.5579



18.5811, 18.2157, 21.6771



26.4303, 13.0614, 26.7144



2.6179, 1.2895, 2.8352

Previews

White Background



This preview shows how the XYZ color 74.8702, 63.8282, 89.2629 looks on a white background.

Color Contrast Check

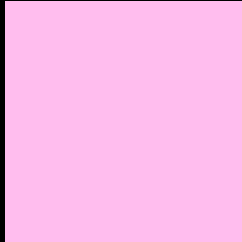
Large Text (above 18pt) WCAG AA × Fail

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 74.8702, 63.8282, 89.2629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

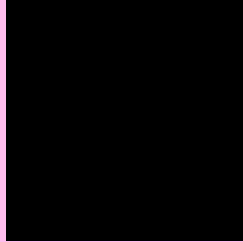
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 74.8702, 63.8282, 89.2629

Background



This preview shows how black text looks on a background with the XYZ color 74.8702, 63.8282, 89.2629.



This preview shows how white text looks on a background with the XYZ color 74.8702, 63.8282,

89.2629.

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

74.8702, 63.8282, 89.2629

Protanopia

63.8986, 64.4314, 99.5112

Deuteranopia

65.5017, 64.0893, 87.5154



Tritanopia

70.5841, 63.6963, 68.8960

Trichromacy



Original Color

74.8702, 63.8282, 89.2629



Protanomaly

67.3400, 63.7993, 95.9541



Deuteranomaly

68.5187, 63.8919, 88.0779



Tritanomaly

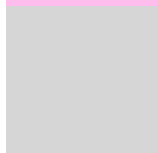
71.9128, 63.5620, 76.1886

Monochromacy



Original Color

74.8702, 63.8282, 89.2629



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

67.4637, 65.6484, 78.9277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.8702, 63.8282, 89.2629 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, 189, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 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, 189, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 238) }
```

Border

The CSS property to change the border of an element to XYZ 74.8702, 63.8282, 89.2629 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, 189, 238) }
```


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

```
.border{ border-color:rgb(255, 189, 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, 189, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 189, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 189, 238); box-shadow:4px 4px 4px 4px rgb(255, 189, 238) }
```

Background

The CSS property to change the background color of an element to XYZ 74.8702, 63.8282, 89.2629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 189, 238) }
```

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

```
.background{ background-color: rgb(255,  
189, 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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