

Converting Colors

XYZ(81.8582, 64.2338, 78.3024)

Have a look what the booklet for
XYZ(81.8582, 64.2338, 78.3024)
contains.

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Color

**XYZ(70.6149, 58.4826,
78.0875)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB2E0
RGB	255, 178, 224
RGB Percent	100%, 70%, 88%
CMY	0.0000, 0.3019, 0.1216
CMYK	0.00, 0.30, 0.12, 0.00
HSL	324°, 100%, 85%
HSV	324°, 30%, 100%
XYZ	70.6149, 58.4826, 78.0875
YIQ	206.2670, 31.1260, 30.6300

Conversions

Conversions Part 2

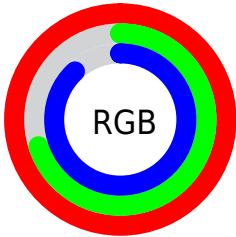
Format	Color
R _Y B	255, 178, 224
Decimal	16757472
CIE Lab	81.01, 34.72, -11.77
CIE LCh	81, 36.661, 341.276
Yxy	58.4826, 0.3408, 0.2823
Android (android.graphics.Color)	4294947552 (0xFFFFB2E0)
YUV	206.2670, 8.7424, 42.7388
Hunter-Lab	76.4739, 30.9949, -7.0093

Details

The XYZ color **70.6149, 58.4826, 78.0875** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **65.6307, 85.5894, 73.3861**, and the grayscale version is **58.7703, 61.8309, 67.3339**.

A 20% lighter version of the original color is **88.7128, 87.3256, 106.7876**, and **37.3950, 29.1502, 41.1917** is the 20% darker color. If you saturate the color by 10%, you get **64.6543, 48.7226, 69.4374**, and if you desaturate by 10%, it is **77.6055, 70.1672, 87.4972**.

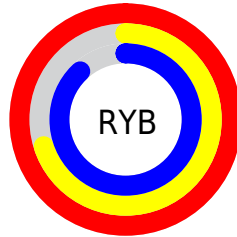
Distribution



Red (100%)

Green (70%)

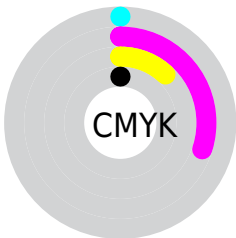
Blue (88%)



Red (100%)

Yellow (70%)

Blue (88%)

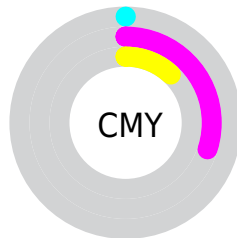


Cyan (0%)

Magenta (30%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (30%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.6149, 58.4826, 78.0875 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 70.6149, 58.4826, 78.0875 by changing the saturation by 10% instead.


 70.6149, 58.4826,
78.0875

 70.6149, 58.4826,
78.0875


451.9389,
418.9818, 507.9997

 52.3094, 42.1968,
57.6290


 119.1067,
102.6253, 132.4605

 37.4770, 29.2554,
41.0977


150.0237,
131.2509, 167.2120

 25.7524, 19.2741,
28.0752


185.8753,
164.7587, 207.5649

 16.7702, 11.8685,
18.1428

227.0268,
203.5328, 253.9378

 10.1651, 6.6542,
10.8821

273.8435,
247.9578, 306.7492

 5.5717, 3.2468,
5.8744

326.6909,

 2.6246, 1.2619,

298.4180, 366.4176

2.7013

385.9342,
355.2979, 433.3616

■ 0.9585, 0.1114,
0.9441

■ 0.0000, 0.0000,
0.0000

■ 70.6149, 58.4826,
78.0875

■ 70.6149, 58.4826,
78.0875

■ 64.6543, 48.7226,
69.4374

■ 77.6055, 70.1672,
87.4972

■ 59.6655, 40.7745,
61.5182

■ 85.6714, 83.8662,
97.6865

■ 55.5911, 34.5252,
54.3039

94.8606, 99.6725,
108.6790

■ 52.3653, 29.8459,
47.7649

95.0500, 100.0000,
108.9000

■ 49.9131, 26.5890,
41.8683

■ 48.1451, 24.5784,
36.5763

■ 46.9348, 23.5379,
31.9186

Harmonies

Analogous

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



65.7999, 58.4826, 100.6162



70.6149, 58.4826, 78.0875



71.1931, 58.4826, 55.8358

Triad

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



70.6149, 58.4826, 78.0875



52.7758, 58.4826, 30.8073



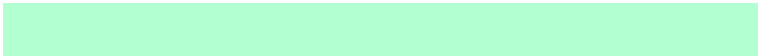
45.3058, 58.4826, 95.4880

Complementary

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



70.6149, 58.4826, 78.0875



65.6307, 85.5894, 73.3861

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.



42.4447, 58.4826, 72.2213



70.6149, 58.4826, 78.0875



46.4878, 58.4826, 37.1073

Square

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



70.6149, 58.4826, 78.0875



60.4128, 58.4826, 31.6831



42.8567, 58.4826, 51.1594



51.0233, 58.4826, 112.1376

Rectangle

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



70.6149, 58.4826, 78.0875



69.0421, 58.4826, 44.3185



42.8567, 58.4826, 51.1594



44.0027, 58.4826, 87.9845

Sweetspot

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



70.6163, 58.4851, 78.0887



86.7084, 85.6405, 98.9560



60.2106, 52.5899, 101.5852



18.2891, 17.8685, 20.8498



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.



70.6163, 58.4851, 78.0887



67.0329, 52.5895, 72.9749



65.9932, 56.6359, 53.7440



18.4649, 18.1693, 21.0655



24.6003, 12.3294, 17.0775



2.4493, 1.2221, 1.9476

Inverse Universe

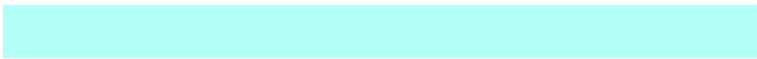
The Inverse Universe completely reimagines the original color for something new.



70.6163, 58.4851, 78.0887



67.0329, 52.5895, 72.9749



70.9564, 87.7197, 101.4309



18.4649, 18.1693, 21.0655



24.6003, 12.3294, 17.0775



2.4493, 1.2221, 1.9476

Previews

White Background



This preview shows how the XYZ color 70.6149, 58.4826, 78.0875 looks on a white background.

Color Contrast Check

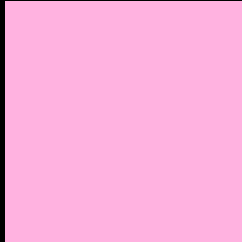
Large Text (above 18pt) WCAG AA × Fail

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 70.6149, 58.4826, 78.0875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

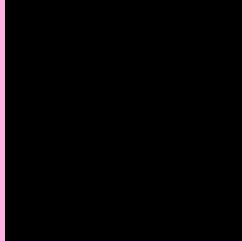
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.6149, 58.4826, 78.0875

Background



This preview shows how black text looks on a background with the XYZ color 70.6149, 58.4826, 78.0875.



This preview shows how white text looks on a background with the XYZ color 70.6149, 58.4826, 78.0875.

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

70.6149, 58.4826, 78.0875

Protanopia

58.3350, 58.9509, 89.1930

Deuteranopia

59.9425, 58.6974, 76.5770



Tritanopia

67.1564, 58.5936, 60.5935

Trichromacy



Original Color

70.6149, 58.4826, 78.0875



Protanomaly

61.8765, 58.1814, 85.0597



Deuteranomaly

63.3773, 58.1631, 76.9935



Tritanomaly

68.2944, 58.4354, 66.7111

Monochromacy



Original Color

70.6149, 58.4826, 78.0875



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

62.4906, 60.1312, 71.2637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6149, 58.4826, 78.0875 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, 178, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 224)  
}
```

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, 178, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 224) }
```

Border

The CSS property to change the border of an element to XYZ 70.6149, 58.4826, 78.0875 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, 178, 224) }
```


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

```
.border{ border-color:rgb(255, 178, 224) }
```

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

Here you see how a box with a 4 pixel rgb(255, 178, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6149, 58.4826, 78.0875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 178, 224) }
```

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

```
.background{ background-color: rgb(255,  
178, 224) }
```

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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