

Converting Colors

XYZ(80.4339, 63.9390, 78.5771)

Have a look what the booklet for
XYZ(80.4339, 63.9390, 78.5771)
contains.

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Color

**XYZ(70.8146, 58.8820,
78.1540)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB3E0
RGB	255, 179, 224
RGB Percent	100%, 70%, 88%
CMY	0.0000, 0.2980, 0.1216
CMYK	0.00, 0.30, 0.12, 0.00
HSL	324°, 100%, 85%
HSV	324°, 30%, 100%
XYZ	70.8146, 58.8820, 78.1540
YIQ	206.8540, 30.8510, 30.1070

Conversions

Conversions Part 2

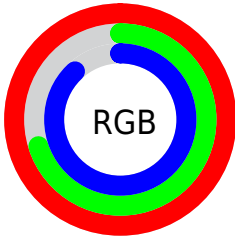
Format	Color
R_{YB}	255, 179, 224
Decimal	16757728
CIE Lab	81.23, 34.20, -11.44
CIE LCh	81, 36.060, 341.504
Yxy	58.8820, 0.3407, 0.2833
Android (android.graphics.Color)	4294947808 (0xFFFFB3E0)
YUV	206.8540, 8.4530, 42.2240
Hunter-Lab	76.7346, 30.4433, -6.6725

Details

The XYZ color **70.8146, 58.8820, 78.1540** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **65.9853, 85.7578, 74.0512**, and the grayscale version is **59.1489, 62.2293, 67.7677**.

A 20% lighter version of the original color is **88.9983, 87.8967, 106.8828**, and **37.5210, 29.4021, 41.2337** is the 20% darker color. If you saturate the color by 10%, you get **64.8007, 49.0431, 69.4012**, and if you desaturate by 10%, it is **77.8626, 70.6504, 87.6788**.

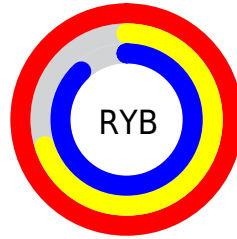
Distribution



Red (100%)

Green (70%)

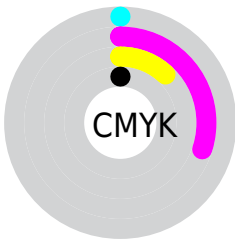
Blue (88%)



Red (100%)

Yellow (70%)

Blue (88%)

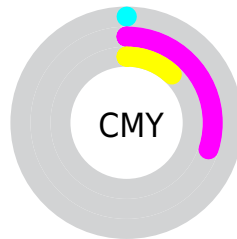


Cyan (0%)

Magenta (30%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (30%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.8146, 58.8820, 78.1540 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 70.8146, 58.8820, 78.1540 by changing the saturation by 10% instead.


 70.8146, 58.8820,
78.1540

 70.8146, 58.8820,
78.1540


452.6270,
420.4645, 508.2314

 52.4729, 42.5181,
57.6833


 119.3896,
103.2061, 132.5550

 37.6079, 29.5072,
41.1411

150.3537,
131.9352, 167.3224

 25.8544, 19.4649,
28.1088


186.2559,
165.5548, 207.6925

 16.8468, 12.0067,
18.1679

227.4617,
204.4493, 254.0838

 10.2200, 6.7482,
10.8999

274.3363,
249.0032, 306.9147

 5.6084, 3.3051,
5.8863

327.2452,

 2.6469, 1.2930,

299.6007, 366.6040

2.7084

386.5536,
356.6263, 433.5700

■ 0.9699, 0.1358,
0.9476

■ 0.0000, 0.0000,
0.0000

■ 70.8146, 58.8820,
78.1540

■ 70.8146, 58.8820,
78.1540

■ 64.8007, 49.0431,
69.4012

■ 77.8626, 70.6504,
87.6788

■ 59.7630, 41.0211,
61.3914

■ 85.9901, 84.4377,
97.9958

■ 55.6441, 34.7037,
54.0984

95.0500, 100.0000,
108.9000

■ 52.3786, 29.9623,
47.4924

■ 49.8917, 26.6504,
41.5402

■ 48.0947, 24.5931,
36.2039

■ 46.8467, 23.5115,
31.4276

■ 46.8245, 23.4938,
31.3374

Harmonies

Analogous

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



66.0954, 58.8820, 100.3581



70.8146, 58.8820, 78.1540



71.3494, 58.8820, 56.2096

Triad

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



70.8146, 58.8820, 78.1540



53.1334, 58.8820, 31.5148



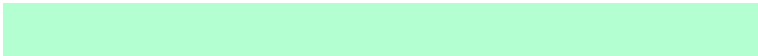
45.8285, 58.8820, 95.6247

Complementary

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



70.8146, 58.8820, 78.1540



65.9853, 85.7578, 74.0512

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.



42.9691, 58.8820, 72.7234



70.8146, 58.8820, 78.1540



46.9275, 58.8820, 37.8505

Square

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



70.8146, 58.8820, 78.1540



60.6748, 58.8820, 32.3352



43.3525, 58.8820, 51.8624



51.5065, 58.8820, 111.8990

Rectangle

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



70.8146, 58.8820, 78.1540



69.2087, 58.8820, 44.8310



43.3525, 58.8820, 51.8624



44.5297, 58.8820, 88.2548

Sweetspot

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



70.8160, 58.8845, 78.1552



86.6898, 85.6330, 98.8578



60.5802, 53.0769, 101.6597



18.2845, 17.8667, 20.8256



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.



70.8160, 58.8845, 78.1552



66.9693, 52.5641, 72.6400



66.2888, 57.0736, 54.3151



18.4607, 18.1676, 21.0434



24.5428, 12.3064, 16.7745



2.4439, 1.2199, 1.9189

Inverse Universe

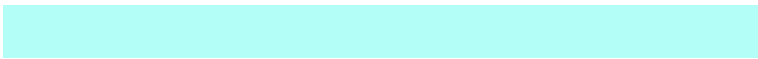
The Inverse Universe completely reimagines the original color for something new.



70.8160, 58.8845, 78.1552



66.9693, 52.5641, 72.6400



71.2022, 87.8446, 101.5231



18.4607, 18.1676, 21.0434



24.5428, 12.3064, 16.7745



2.4439, 1.2199, 1.9189

Previews

White Background



This preview shows how the XYZ color 70.8146, 58.8820, 78.1540 looks on a white background.

Color Contrast Check

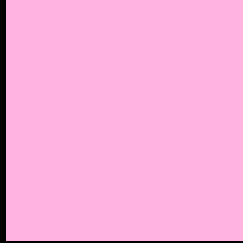
Large Text (above 18pt) WCAG AA × Fail

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 70.8146, 58.8820, 78.1540 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 70.8146, 58.8820, 78.1540

Background



This preview shows how black text looks on a background with the XYZ color 70.8146, 58.8820, 78.1540.



This preview shows how white text looks on a background with the XYZ color 70.8146, 58.8820,

78.1540.

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

70.8146, 58.8820, 78.1540

Protanopia

58.5926, 59.0837, 89.2051

Deuteranopia

60.4580, 59.2991, 76.6660



Tritanopia

67.4784, 59.0536, 61.2681

Trichromacy



Original Color

70.8146, 58.8820, 78.1540



Protanomaly

62.1729, 58.3342, 85.0736



Deuteranomaly

63.5932, 58.5948, 77.0654



Tritanomaly

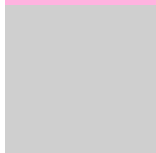
68.4984, 58.8435, 66.7792

Monochromacy



Original Color

70.8146, 58.8820, 78.1540



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

62.7170, 60.5839, 71.3391

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.8146, 58.8820, 78.1540 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, 179, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 179, 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, 179, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 179, 224) }
```

Border

The CSS property to change the border of an element to XYZ 70.8146, 58.8820, 78.1540 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, 179, 224) }
```


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

```
.border{ border-color:rgb(255, 179, 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, 179, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 179, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 179, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 179,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 70.8146, 58.8820, 78.1540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 179, 224) }
```

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

```
.background{ background-color: rgb(255,  
179, 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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