

# Converting Colors

XYZ(70.6951, 58.2253, 92.8172)

Have a look what the booklet for  
XYZ(70.6951, 58.2253, 92.8172)  
contains.

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# Color

**XYZ(70.6073, 58.1466,  
93.0900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7B2F4
RGB	247, 178, 244
RGB Percent	97%, 70%, 96%
CMY	0.0314, 0.3019, 0.0431
CMYK	0.00, 0.28, 0.01, 0.03
HSL	303°, 81%, 83%
HSV	303°, 28%, 97%
XYZ	70.6073, 58.1466, 93.0900
YIQ	206.1550, 19.9380, 35.1540

# Conversions

## Conversions Part 2

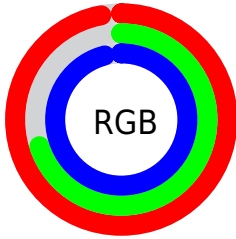
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 178, 244
Decimal	16233204
CIE <sub>Lab</sub>	80.82, 35.51, -22.89
CIE <sub>LCh</sub>	81, 42.245, 327.192
Yxy	58.1466, 0.3183, 0.2621
Android (android.graphics.Color)	4294423284 (0xFFF7B2F4)
YUV	206.1550, 18.6576, 35.8211
Hunter-Lab	76.2539, 31.8377, -19.0029

# Details

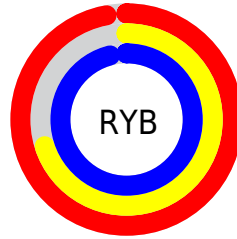
The XYZ color **70.6073, 58.1466, 93.0900** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **59.9637, 79.3245, 55.8700**, and the grayscale version is **58.6424, 61.6963, 67.1873**.

A 20% lighter version of the original color is **88.7128, 87.3256, 106.7876**, and **37.5200, 28.9933, 51.1957** is the 20% darker color. If you saturate the color by 10%, you get **65.9662, 49.1237, 90.7412**, and if you desaturate by 10%, it is **76.1377, 68.9446, 95.7412**.

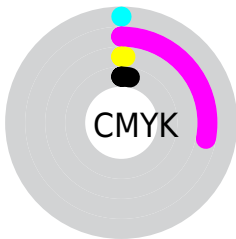
# Distribution



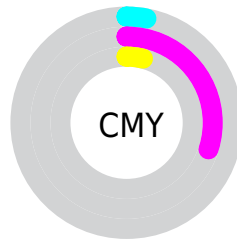
- Red (97%)
- Green (70%)
- Blue (96%)



- Red (97%)
- Yellow (70%)
- Blue (96%)



- Cyan (0%)
- Magenta (28%)
- Yellow (1%)
- Black (3%)




- Cyan (3%)
- Magenta (30%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.6073, 58.1466, 93.0900 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 70.6073, 58.1466, 93.0900 by changing the saturation by 10% instead.





 70.6073, 58.1466,  
93.0900

 70.6073, 58.1466,  
93.0900

451.9127,  
417.7320, 558.8594

 52.3032, 41.9265,  
69.9582


 119.0960,  
102.1363, 153.5960

 37.4720, 29.0438,  
51.0159


150.0112,  
130.6747, 191.8073

 25.7485, 19.1139,  
35.8444

185.8608,  
164.0881, 235.8822

 16.7673, 11.7526,  
24.0253

227.0103,  
202.7607, 286.2392

 10.1630, 6.5755,  
15.1400

273.8248,  
247.0770, 343.2969

 5.5703, 3.1981,  
8.7700

326.6698,

 2.6237, 1.2360,

297.4214, 407.4738

4.4967

385.9107,  
354.1782, 479.1885

■ 0.9581, 0.0908,  
1.9016

■ 0.0000, 0.0000,  
0.4938

■ 70.6073, 58.1466,  
93.0900

■ 70.6073, 58.1466,  
93.0900

■ 65.9662, 49.1237,  
90.7412

■ 76.1377, 68.9446,  
95.7412

■ 62.1616, 41.7731,  
88.6753

■ 82.5960, 81.5979,  
98.7057

■ 59.1432, 35.9936,  
86.8762

■ 90.0250, 96.1911,  
101.9985

■ 56.8534, 31.6697,  
85.3245

■ 91.1078, 98.0902,  
103.1806

55.2265, 28.6702,  
83.9985

91.2753, 98.1572,  
104.0624

54.1851, 26.8401,  
82.8724

91.4437, 98.2246,  
104.9491

53.6242, 25.9694,  
81.9110

91.6130, 98.2923,  
105.8410

53.5365, 25.8457,  
81.7223

91.7833, 98.3604,  
106.7379

91.9546, 98.4290,  
107.6398

# Harmonies

## Analogous

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



63.2965, 58.1466, 116.4126



70.6073, 58.1466, 93.0900



73.7821, 58.1466, 65.6958

# Triad

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



70.6073, 58.1466, 93.0900



56.0929, 58.1466, 26.4152



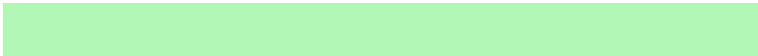
41.6418, 58.1466, 87.9153

# Complementary

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



70.6073, 58.1466, 93.0900



59.9637, 79.3245, 55.8700

# 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.



40.1409, 58.1466, 60.9861



70.6073, 58.1466, 93.0900



47.9462, 58.1466, 29.4591

# Square

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



70.6073, 58.1466, 93.0900



64.8683, 58.1466, 30.8958



42.3263, 58.1466, 40.6758



46.6625, 58.1466, 112.9141



# Rectangle

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



70.6073, 58.1466, 93.0900



72.9008, 58.1466, 50.1406



42.3263, 58.1466, 40.6758



40.7335, 58.1466, 78.6084

# Sweetspot

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



70.6091, 58.1492, 93.0912



88.7414, 87.6109, 106.0941



51.6038, 48.2985, 94.5996



18.7565, 18.2859, 22.6010



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.



70.6091, 58.1492, 93.0912



72.7469, 56.3557, 98.5003



65.9381, 56.2807, 68.4939



17.1807, 16.7551, 20.6980



28.3276, 13.6745, 43.2948



2.4992, 1.2056, 3.8551



# Inverse Universe

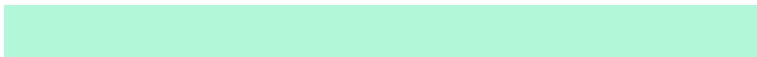
The Inverse Universe completely reimagines the original color for something new.



70.6091, 58.1492, 93.0912



72.7469, 56.3557, 98.5003



63.8631, 80.8843, 76.4039



17.1807, 16.7551, 20.6980



28.3276, 13.6745, 43.2948



2.4992, 1.2056, 3.8551



# Previews

## White Background



This preview shows how the XYZ color 70.6073, 58.1466, 93.0900 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

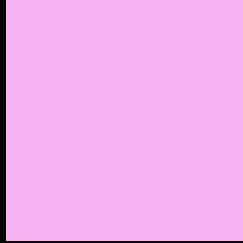
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.6073, 58.1466, 93.0900 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

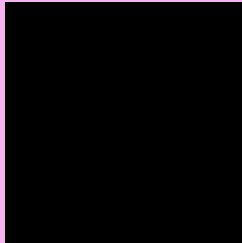
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 70.6073, 58.1466, 93.0900**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.6073, 58.1466, 93.0900.



This preview shows how white text looks on a background with the XYZ color 70.6073, 58.1466,

93.0900.

# 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

70.6073, 58.1466, 93.0900

### Protanopia

58.9669, 58.6316, 102.8169

### Deuteranopia

59.7045, 58.2482, 91.3154



## Tritanopia

64.3771, 58.0356, 63.0673

# Trichromacy



## Original Color

70.6073, 58.1466, 93.0900



## Protanomaly

62.3379, 57.7819, 99.1343



## Deuteranomaly

63.1381, 57.7114, 91.8161



## Tritanomaly

66.4200, 57.9314, 73.3268

# Monochromacy



## Original Color

70.6073, 58.1466, 93.0900



## Achromatopsia

58.6655, 61.7207, 67.2138



## Achromatomaly

62.4770, 60.0193, 76.0021

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.6073, 58.1466, 93.0900 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(247, 178, 244)` looks like.

```
.text, #text, p{  
    color:rgb(247, 178, 244)  
}
```

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(247, 178, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 178, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 70.6073, 58.1466, 93.0900 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(247, 178, 244) }
```



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

```
.border{ border-color:rgb(247, 178, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 178, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 178, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 178, 244);  
box-shadow:4px 4px 4px 4px rgb(247, 178,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.6073, 58.1466, 93.0900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 178, 244) }
```

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

```
.background{ background-color: rgb(247,  
178, 244) }
```

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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