

# Converting Colors

XYZ(70.1176, 58.3111, 87.6803)

Have a look what the booklet for  
XYZ(70.1176, 58.3111, 87.6803)  
contains.

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# Color

**XYZ(70.1176, 58.3111,  
87.6803)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8B3ED
RGB	248, 179, 237
RGB Percent	97%, 70%, 93%
CMY	0.0274, 0.2980, 0.0706
CMYK	0.00, 0.28, 0.04, 0.03
HSL	310°, 83%, 84%
HSV	310°, 28%, 97%
XYZ	70.1176, 58.3111, 87.6803
YIQ	206.2430, 22.5060, 32.6660

# Conversions

## Conversions Part 2

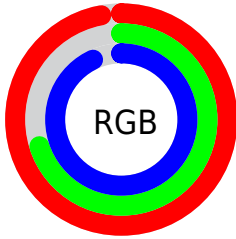
Format	Color
R <sub>Y</sub> B	248, 179, 237
Decimal	16298989
CIE Lab	80.91, 34.06, -18.98
CIE LCh	81, 38.996, 330.872
Yxy	58.3111, 0.3245, 0.2698
Android (android.graphics.Color)	4294489069 (0xFFFF8B3ED)
YUV	206.2430, 15.1632, 36.6209
Hunter-Lab	76.3617, 30.2711, -14.6250

# Details

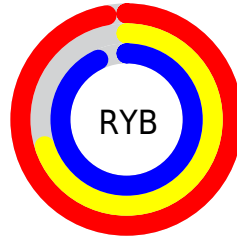
The XYZ color **70.1176, 58.3111, 87.6803** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **61.4545, 80.4381, 61.0058**, and the grayscale version is **58.7192, 61.7772, 67.2753**.

A 20% lighter version of the original color is **88.9983, 87.8967, 106.8828**, and **37.1600, 29.0798, 47.3705** is the 20% darker color. If you saturate the color by 10%, you get **65.0162, 49.0217, 83.1614**, and if you desaturate by 10%, it is **76.1291, 69.3984, 92.5667**.

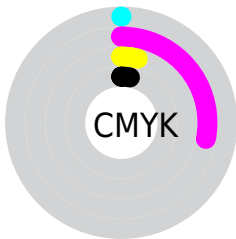
# Distribution



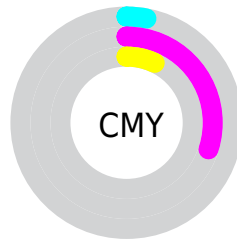
- Red (97%)
- Green (70%)
- Blue (93%)



- Red (97%)
- Yellow (70%)
- Blue (93%)



- Cyan (0%)
- Magenta (28%)
- Yellow (4%)
- Black (3%)




- Cyan (3%)
- Magenta (30%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1176, 58.3111, 87.6803 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 70.1176, 58.3111, 87.6803 by changing the saturation by 10% instead.





 70.1176, 58.3111,  
87.6803

 70.1176, 58.3111,  
87.6803


450.2228,  
418.3442, 540.8299

 51.9024, 42.0588,  
65.4955


 118.4018,  
102.3758, 146.0192

 37.1512, 29.1473,  
47.4091


149.2015,  
130.9569, 183.0104

 25.4988, 19.1923,  
33.0025


184.9267,  
164.4165, 225.7741

 16.5798, 11.8093,  
21.8572

225.9427,  
203.1388, 274.7289

 10.0288, 6.6140,  
13.5547

272.6150,  
247.5084, 330.2934

 5.4805, 3.2219,  
7.6764

325.3089,

 2.5695, 1.2486,

297.9095, 392.8860

3.8038

384.3897,  
354.7267, 462.9253

■ 0.9304, 0.1009,  
1.5183

■ 0.0000, 0.0000,  
0.2315

■ 70.1176, 58.3111,  
87.6803

■ 70.1176, 58.3111,  
87.6803

■ 65.0162, 49.0217,  
83.1614

■ 76.1291, 69.3984,  
92.5667

■ 60.7715, 41.4266,  
78.9899

■ 83.0899, 82.3646,  
97.8321

■ 57.3330, 35.4235,  
75.1492

■ 91.0431, 97.2950,  
103.4920

■ 54.6421, 30.8959,  
71.6193

■ 92.1725, 98.5569,  
106.9413

■ 52.6328, 27.7113,  
68.3779

■ 92.5219, 98.6967,  
108.7817

■ 51.2268, 25.7138,  
65.3984

■ 50.3192, 24.6935,  
62.6455

■ 50.1539, 24.5335,  
62.0643

# Harmonies

## Analogous

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



63.7752, 58.3111, 109.7994



70.1176, 58.3111, 87.6803



72.4368, 58.3111, 62.8167

# Triad

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



70.1176, 58.3111, 87.6803



55.1870, 58.3111, 28.6081



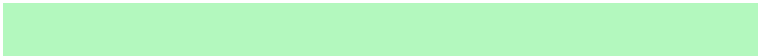
43.1393, 58.3111, 89.1417

# Complementary

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



70.1176, 58.3111, 87.6803



61.4545, 80.4381, 61.0058

# 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.



41.3065, 58.3111, 64.1699



70.1176, 58.3111, 87.6803



47.8338, 58.3111, 32.4686

# Square

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



70.1176, 58.3111, 87.6803



63.3269, 58.3111, 32.0378



42.9397, 58.3111, 44.2178



48.2056, 58.3111, 110.7771



# Rectangle

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



70.1176, 58.3111, 87.6803



71.2281, 58.3111, 48.9333



42.9397, 58.3111, 44.2178



42.1480, 58.3111, 80.6823

# Sweetspot

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



70.1194, 58.3137, 87.6815



88.3646, 87.4601, 104.1100



54.1392, 49.8842, 95.5833



18.6609, 18.2477, 22.0975



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.



70.1194, 58.3137, 87.6815



71.7391, 56.7150, 90.8427



65.6311, 56.5184, 64.0463



17.8672, 17.4742, 21.1562



27.1365, 13.2703, 33.7568



2.5441, 1.2414, 3.2889



# Inverse Universe

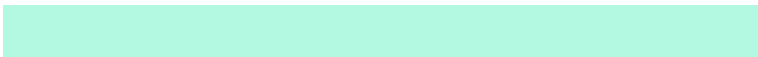
The Inverse Universe completely reimagines the original color for something new.



70.1194, 58.3137, 87.6815



71.7391, 56.7150, 90.8427



65.5942, 82.0940, 82.8050



17.8672, 17.4742, 21.1562



27.1365, 13.2703, 33.7568

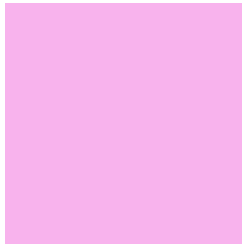


2.5441, 1.2414, 3.2889



# Previews

## White Background



This preview shows how the XYZ color 70.1176, 58.3111, 87.6803 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

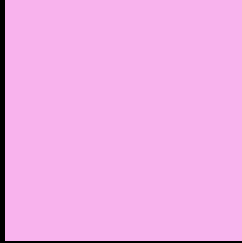
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.1176, 58.3111, 87.6803 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

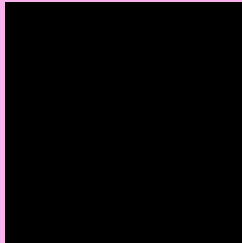
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 70.1176, 58.3111, 87.6803**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.1176, 58.3111, 87.6803.



This preview shows how white text looks on a background with the XYZ color 70.1176, 58.3111,



# 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

70.1176, 58.3111, 87.6803

### Protanopia

58.8223, 58.6307, 99.4834

### Deuteranopia

59.7680, 58.3995, 85.9640



## Tritanopia

64.9464, 58.3426, 62.4818

# Trichromacy



## Original Color

70.1176, 58.3111, 87.6803



## Protanomaly

62.0625, 58.0547, 95.1234



## Deuteranomaly

63.2276, 58.1972, 86.4980



## Tritanomaly

66.5999, 58.0835, 70.6518

# Monochromacy



## Original Color

70.1176, 58.3111, 87.6803



## Achromatopsia

58.6655, 61.7207, 67.2138



## Achromatomaly

62.0831, 59.8618, 73.9280

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.1176, 58.3111, 87.6803 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(248, 179, 237)` looks like.

```
.text, #text, p{  
    color:rgb(248, 179, 237)  
}
```

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(248, 179, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 179, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 70.1176, 58.3111, 87.6803 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(248, 179, 237) }
```



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

```
.border{ border-color:rgb(248, 179, 237) }
```

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

Here you see how a box with a 4 pixel rgb(248, 179, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 179, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 179, 237);  
box-shadow:4px 4px 4px 4px rgb(248, 179,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.1176, 58.3111, 87.6803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 179, 237) }
```

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

```
.background{ background-color: rgb(248,  
179, 237) }
```

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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