

# Converting Colors

XYZ(68.6551, 59.1445, 84.7699)

Have a look what the booklet for  
XYZ(68.6551, 59.1445, 84.7699)  
contains.

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# Color

**XYZ(68.8106, 59.2189,  
84.8945)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3B8E9
RGB	243, 184, 233
RGB Percent	95%, 72%, 91%
CMY	0.0471, 0.2784, 0.0863
CMYK	0.00, 0.24, 0.04, 0.05
HSL	310°, 71%, 84%
HSV	310°, 24%, 95%
XYZ	68.8106, 59.2189, 84.8945
YIQ	207.2270, 19.4350, 27.7470

# Conversions

## Conversions Part 2

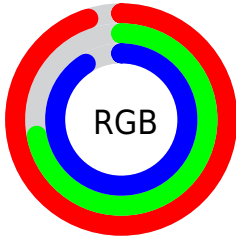
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	243, 184, 233
Decimal	15972585
CIE Lab	81.41, 29.08, -16.13
CIE LCh	81, 33.255, 330.991
Yxy	59.2189, 0.3232, 0.2781
Android (android.graphics.Color)	4294162665 (0xFFFF3B8E9)
YUV	207.2270, 12.7061, 31.3729
Hunter-Lab	76.9538, 24.9420, -11.5403

# Details

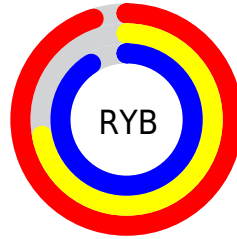
The XYZ color **68.8106, 59.2189, 84.8945** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **61.5577, 78.1883, 62.8897**, and the grayscale version is **59.3679, 62.4597, 68.0186**.

A 20% lighter version of the original color is **90.4501, 90.8002, 107.3667**, and **36.1681, 29.5787, 45.3980** is the 20% darker color. If you saturate the color by 10%, you get **63.6088, 49.7451, 80.2917**, and if you desaturate by 10%, it is **74.8967, 70.4374, 89.8611**.

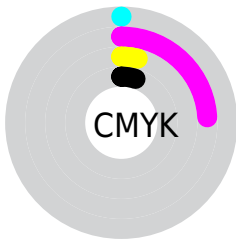
# Distribution



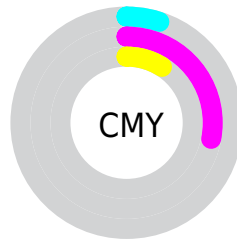
- Red (95%)
- Green (72%)
- Blue (91%)



- Red (95%)
- Yellow (72%)
- Blue (91%)



- Cyan (0%)
- Magenta (24%)
- Yellow (4%)
- Black (5%)




- Cyan (5%)
- Magenta (28%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8106, 59.2189, 84.8945 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 68.8106, 59.2189, 84.8945 by changing the saturation by 10% instead.





 68.8106, 59.2189,  
84.8945

 68.8106, 59.2189,  
84.8945


445.6945,  
421.7126, 531.4144

 50.8336, 42.7894,  
63.2046


 116.5466,  
103.6957, 142.0986

 36.2967, 29.7199,  
45.5647


147.0362,  
132.5118, 178.4499

 24.8346, 19.6261,  
31.5562


182.4274,  
166.2256, 220.5253

 16.0819, 12.1235,  
20.7608

223.0855,  
205.2213, 268.7435

 9.6734, 6.8279,  
12.7597

269.3760,  
249.8835, 323.5230

 5.2435, 3.3547,  
7.1345

321.6640,

 2.4271, 1.3196,

300.5966, 385.2823

3.4666

380.3151,  
357.7448, 454.4399

■ 0.8586, 0.1563,  
1.3376

■ 0.0000, 0.0000,  
0.0923

■ 68.8106, 59.2189,  
84.8945

■ 68.8106, 59.2189,  
84.8945

■ 63.6088, 49.7451,  
80.2917

■ 74.8967, 70.4374,  
89.8611

■ 59.2415, 41.9195,  
76.0338

■ 81.9030, 83.4750,  
95.2021

■ 55.6623, 35.6483,  
72.1054

■ 89.2587, 97.1894,  
100.7281

■ 52.8177, 30.8249,  
68.4883

■ 89.8960, 97.4443,  
104.0838

■ 50.6478, 27.3293,  
65.1620

■ 90.5473, 97.7048,  
107.5138

■ 49.0828, 25.0225,  
62.1028

■ 90.7726, 97.7949,  
108.6998

■ 48.0376, 23.7341,  
59.2819

■ 47.6009, 23.3102,  
57.7505

# Harmonies

## Analogous

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



63.4566, 59.2189, 103.2021



68.8106, 59.2189, 84.8945



70.7445, 59.2189, 63.8194

# Triad

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



68.8106, 59.2189, 84.8945



56.0549, 59.2189, 33.2647



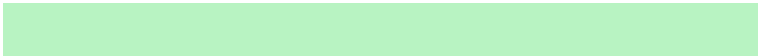
45.5818, 59.2189, 86.2798

# Complementary

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



68.8106, 59.2189, 84.8945



61.5577, 78.1883, 62.8897

# 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.



43.9449, 59.2189, 65.1438



68.8106, 59.2189, 84.8945



49.6766, 59.2189, 36.9031

# Square

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



68.8106, 59.2189, 84.8945



63.0238, 59.2189, 36.4485



45.3812, 59.2189, 47.6313



50.0460, 59.2189, 104.1109



# Rectangle

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



68.8106, 59.2189, 84.8945



69.7182, 59.2189, 51.7092



45.3812, 59.2189, 47.6313



44.7000, 59.2189, 79.1958

# Sweetspot

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



68.8124, 59.2215, 84.8958



89.1343, 88.9419, 104.5438



55.5262, 52.2024, 91.9445



18.9745, 18.8436, 22.2984



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.



68.8124, 59.2215, 84.8958



73.8710, 60.7669, 92.2069



64.9639, 57.6821, 64.6298



17.0860, 16.7172, 20.1992



26.1687, 12.8109, 31.9265



2.3312, 1.1384, 2.9705



# Inverse Universe

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



68.8124, 59.2215, 84.8958



73.8710, 60.7669, 92.2069



65.1841, 79.6388, 81.9861



17.0860, 16.7172, 20.1992



26.1687, 12.8109, 31.9265



2.3312, 1.1384, 2.9705



# Previews

## White Background



This preview shows how the XYZ color 68.8106, 59.2189, 84.8945 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

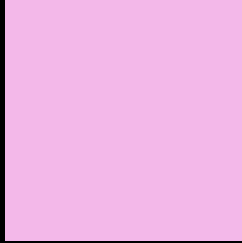
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.8106, 59.2189, 84.8945 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

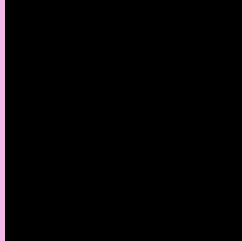
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 68.8106, 59.2189, 84.8945

## Background



This preview shows how black text looks on a background with the XYZ color 68.8106, 59.2189, 84.8945.



This preview shows how white text looks on a background with the XYZ color 68.8106, 59.2189,



# 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

68.8106, 59.2189, 84.8945

### Protanopia

59.2081, 59.6424, 93.9795

### Deuteranopia

60.5437, 59.2010, 83.0988



## Tritanopia

64.6933, 59.1055, 65.1255

# Trichromacy



## Original Color

68.8106, 59.2189, 84.8945



## Protanomaly

62.1073, 59.1704, 90.5857



## Deuteranomaly

63.0922, 58.8409, 83.6334



## Tritanomaly

65.9712, 58.9722, 72.1957

# Monochromacy



## Original Color

68.8106, 59.2189, 84.8945



## Achromatopsia

59.3074, 62.3960, 67.9493



## Achromatomaly

62.3333, 61.0204, 73.4585

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.8106, 59.2189, 84.8945 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(243, 184, 233)` looks like.

```
.text, #text, p{  
    color:rgb(243, 184, 233)  
}
```

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(243, 184, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 184, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 68.8106, 59.2189, 84.8945 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(243, 184, 233) }
```



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

```
.border{ border-color:rgb(243, 184, 233) }
```

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

Here you see how a box with a 4 pixel rgb(243, 184, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 184, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 184, 233);  
box-shadow:4px 4px 4px 4px rgb(243, 184,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.8106, 59.2189, 84.8945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 184, 233) }
```

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

```
.background{ background-color: rgb(243,  
184, 233) }
```

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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