

# Converting Colors

XYZ(68.4267, 53.5200, 96.2288)

Have a look what the booklet for  
XYZ(68.4267, 53.5200, 96.2288)  
contains.

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# Color

**XYZ(68.3913, 53.5245,  
96.3492)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5A6F9
RGB	245, 166, 249
RGB Percent	96%, 65%, 98%
CMY	0.0392, 0.3490, 0.0235
CMYK	0.02, 0.33, 0.00, 0.02
HSL	297°, 87%, 81%
HSV	297°, 33%, 98%
XYZ	68.3913, 53.5245, 96.3492
YIQ	199.0830, 20.4410, 42.5610

# Conversions

## Conversions Part 2

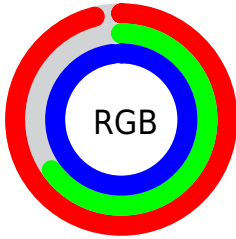
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 166, 249
Decimal	16099065
CIE Lab	78.18, 42.08, -29.63
CIE LCh	78, 51.465, 324.856
Yxy	53.5245, 0.3133, 0.2452
Android (android.graphics.Color)	4294289145 (0xFFFF5A6F9)
YUV	199.0830, 24.6091, 40.2692
Hunter-Lab	73.1604, 38.8333, -26.8701

# Details

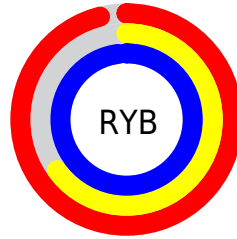
The XYZ color **68.3913, 53.5245, 96.3492** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **57.3380, 79.0519, 48.3156**, and the grayscale version is **54.1839, 57.0057, 62.0792**.

A 20% lighter version of the original color is **85.4113, 80.7226, 105.6871**, and **36.1586, 26.3074, 53.0412** is the 20% darker color. If you saturate the color by 10%, you get **63.8790, 45.1181, 94.9652**, and if you desaturate by 10%, it is **73.7860, 63.6894, 98.0277**.

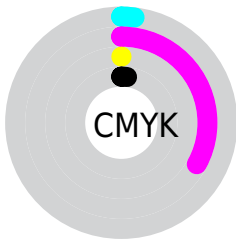
# Distribution



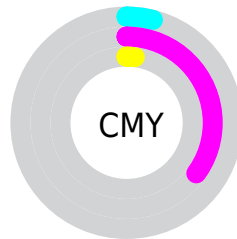
- Red (96%)
- Green (65%)
- Blue (98%)



- Red (96%)
- Yellow (65%)
- Blue (98%)



- Cyan (2%)
- Magenta (33%)
- Yellow (0%)
- Black (2%)




- Cyan (4%)
- Magenta (35%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3913, 53.5245, 96.3492 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 68.3913, 53.5245, 96.3492 by changing the saturation by 10% instead.





 68.3913, 53.5245,  
96.3492


 68.3913, 53.5245,  
96.3492


444.2362,  
400.2942, 569.5696

 50.4910, 38.2216,  
72.6553


 115.9506, 95.3757,  
158.1388

 36.0231, 26.1548,  
53.2041


 146.3403,  
122.6929, 197.0717

 24.6222, 16.9395,  
37.5769


181.6238,  
154.7836, 241.9213

 15.9230, 10.1913,  
25.3552

222.1665,  
192.0322, 293.1062

 9.5602, 5.5260,  
16.1204

268.3337,  
234.8232, 351.0450

 5.1684, 2.5591,  
9.4541

320.4908,

 2.3822, 0.9061,

283.5409, 416.1561

4.9377

379.0032,  
338.5698, 488.8581

■ 0.8362, 0.0000,  
2.1527

■ 0.0000, 0.0000,  
0.6469

■ 68.3913, 53.5245,  
96.3492

■ 68.3913, 53.5245,  
96.3492

■ 63.8790, 45.1181,  
94.9652

■ 73.7860, 63.6894,  
98.0277

■ 60.1930, 38.3617,  
93.8554

■ 80.1047, 75.6991,  
100.0127

■ 57.2793, 33.1457,  
93.0021

■ 87.3923, 89.6427,  
102.3200

■ 55.0749, 29.3442,  
92.3846

■ 92.2121, 98.6469,  
103.8040

53.5069, 26.8118,  
91.9784

92.6431, 98.8690,  
103.8242

52.4870, 25.3713,  
91.7541

93.0767, 99.0926,  
103.8444

52.0249, 24.8445,  
91.6768

93.5131, 99.3176,  
103.8649

93.9522, 99.5439,  
103.8854

94.0990, 99.6196,  
103.8923

# Harmonies

## Analogous

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



59.4472, 53.5245, 124.4029



68.3913, 53.5245, 96.3492



72.6792, 53.5245, 63.3900

# Triad

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



68.3913, 53.5245, 96.3492



52.6280, 53.5245, 18.6782



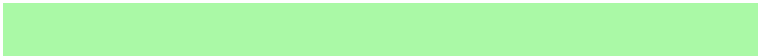
35.2595, 53.5245, 84.8113

# Complementary

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



68.3913, 53.5245, 96.3492



57.3380, 79.0519, 48.3156

# 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.



33.9339, 53.5245, 53.4506



68.3913, 53.5245, 96.3492



43.1664, 53.5245, 21.0732

# Square

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



68.3913, 53.5245, 96.3492



62.8435, 53.5245, 23.6968



36.6357, 53.5245, 31.8474



40.5289, 53.5245, 116.3466



# Rectangle

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



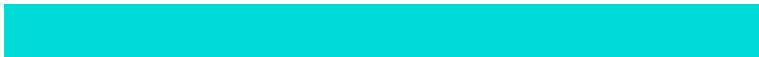
68.3913, 53.5245, 96.3492



71.9601, 53.5245, 45.1954



36.6357, 53.5245, 31.8474



34.3700, 53.5245, 73.6716

# Sweetspot

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



68.3930, 53.5268, 96.3503



86.9972, 84.5634, 106.3449



47.2299, 43.7549, 95.5796



18.3968, 17.6717, 22.6913



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.



68.3930, 53.5268, 96.3503



68.8960, 50.3421, 100.6935



64.5444, 52.1503, 68.7223



17.9055, 17.4795, 21.8154



27.8838, 13.3173, 49.0744



2.6073, 1.2462, 4.5463



# Inverse Universe

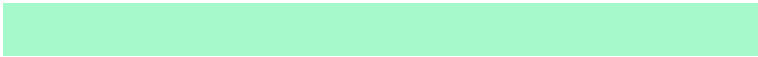
The Inverse Universe completely reimagines the original color for something new.



59.9607, 50.3168, 44.5845



58.7955, 46.5082, 38.1876



60.4247, 80.1882, 69.0142



17.2785, 17.2388, 18.0564



20.9617, 10.8004, 1.2410



1.9530, 1.0049, 0.1757



# Previews

## White Background



This preview shows how the XYZ color 68.3913, 53.5245, 96.3492 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

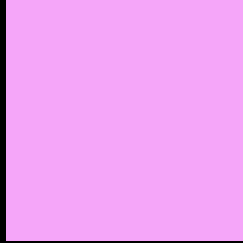
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.3913, 53.5245, 96.3492 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

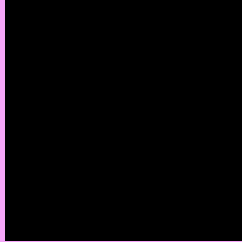
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 68.3913, 53.5245, 96.3492**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.3913, 53.5245, 96.3492.



This preview shows how white text looks on a background with the XYZ color 68.3913, 53.5245,



# 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

68.3913, 53.5245, 96.3492

### Protanopia

54.8041, 54.1494, 102.1711

### Deuteranopia

54.9923, 53.7977, 93.0735



## Tritanopia

60.2494, 53.6069, 56.4619

# Trichromacy



## Original Color

68.3913, 53.5245, 96.3492



## Protanomaly

58.7505, 53.3763, 100.1347



## Deuteranomaly

58.8906, 52.9670, 94.3086



## Tritanomaly

62.9549, 53.5508, 69.3056

# Monochromacy



## Original Color

68.3913, 53.5245, 96.3492



## Achromatopsia

54.2854, 57.1125, 62.1955



## Achromatomaly

58.6136, 55.1493, 73.2013

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.3913, 53.5245, 96.3492 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(245, 166, 249)` looks like.

```
.text, #text, p{  
    color:rgb(245, 166, 249)  
}
```

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(245, 166, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 166, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 68.3913, 53.5245, 96.3492 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(245, 166, 249) }
```



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

```
.border{ border-color:rgb(245, 166, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 166, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 166, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 166, 249);  
box-shadow:4px 4px 4px 4px rgb(245, 166,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.3913, 53.5245, 96.3492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 166, 249) }
```

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

```
.background{ background-color: rgb(245,  
166, 249) }
```

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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