

# Converting Colors

XYZ(68.1935, 53.2775, 90.6938)

Have a look what the booklet for  
XYZ(68.1935, 53.2775, 90.6938)  
contains.

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# Color

**XYZ(68.1935, 53.2775,  
90.6938)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8A5F2
RGB	248, 165, 242
RGB Percent	97%, 65%, 95%
CMY	0.0274, 0.3529, 0.0510
CMYK	0.00, 0.33, 0.02, 0.03
HSL	304°, 86%, 81%
HSV	304°, 33%, 97%
XYZ	68.1935, 53.2775, 90.6938
YIQ	198.5950, 24.7510, 41.5430

# Conversions

## Conversions Part 2

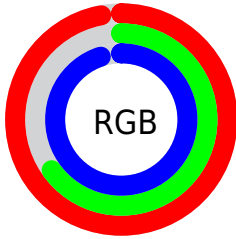
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	248, 165, 242
Decimal	16295410
CIE Lab	78.04, 42.28, -26.04
CIE LCh	78, 49.654, 328.367
Yxy	53.2775, 0.3214, 0.2511
Android (android.graphics.Color)	4294485490 (0xFFF8A5F2)
YUV	198.5950, 21.3987, 43.3282
Hunter-Lab	72.9914, 39.0317, -22.5754

# Details

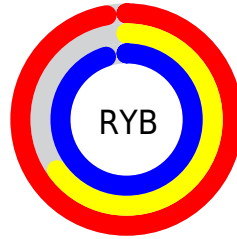
The XYZ color **68.1935, 53.2775, 90.6938** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **56.4373, 78.0761, 50.6267**, and the grayscale version is **53.9032, 56.7104, 61.7576**.

A 20% lighter version of the original color is **85.1465, 80.1929, 105.5988**, and **35.7826, 25.8612, 49.5601** is the 20% darker color. If you saturate the color by 10%, you get **63.8791, 45.0766, 87.9340**, and if you desaturate by 10%, it is **73.3812, 63.2187, 93.7588**.

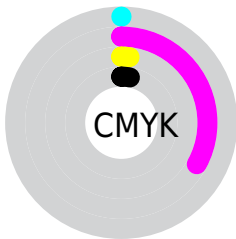
# Distribution



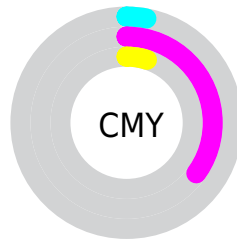
- Red (97%)
- Green (65%)
- Blue (95%)



- Red (97%)
- Yellow (65%)
- Blue (95%)



- Cyan (0%)
- Magenta (33%)
- Yellow (2%)
- Black (3%)




- Cyan (3%)
- Magenta (35%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1935, 53.2775, 90.6938 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 68.1935, 53.2775, 90.6938 by changing the saturation by 10% instead.




 68.1935, 53.2775,  
90.6938


 68.1935, 53.2775,  
90.6938


443.5473,  
399.3489, 550.9134

 50.3294, 38.0243,  
67.9793


 115.6693, 95.0126,  
150.2457

 35.8941, 26.0016,  
49.4143


 146.0117,  
122.2633, 187.9201

 24.5221, 16.8248,  
34.5803


181.2443,  
154.2820, 231.4182

 15.8482, 10.1097,  
23.0588


221.7325,  
191.4530, 281.1586

 9.5070, 5.4717,  
14.4312

267.8415,  
234.1609, 337.5598

 5.1331, 2.5266,  
8.2790

319.9367,

 2.3611, 0.8899,

282.7898, 401.0403

4.1837

378.3835,  
337.7244, 472.0186

■ 0.8257, 0.0000,  
1.7266

■ 0.0000, 0.0000,  
0.3789

■ 68.1935, 53.2775,  
90.6938

■ 68.1935, 53.2775,  
90.6938

■ 63.8791, 45.0766,  
87.9340

■ 73.3812, 63.2187,  
93.7588

■ 60.3826, 38.5083,  
85.4593

■ 79.4833, 74.9856,  
97.1412

■ 57.6502, 33.4639,  
83.2522

■ 86.5446, 88.6666,  
100.8564

■ 55.6194, 29.8187,  
81.2919

■ 91.5978, 98.3271,  
103.9153

■ 54.2181, 27.4282,  
79.5543

■ 91.8791, 98.4396,  
105.3968

■ 53.3584, 26.1167,  
78.0101

■ 92.1631, 98.5532,  
106.8924

■ 53.0048, 25.6739,  
77.0774

■ 92.4498, 98.6679,  
108.4022

■ 92.5219, 98.6967,  
108.7817

# Harmonies

## Analogous

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



60.0050, 53.2775, 118.6806



68.1935, 53.2775, 90.6938



71.6117, 53.2775, 59.5426

# Triad

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



68.1935, 53.2775, 90.6938



51.1710, 53.2775, 19.3796



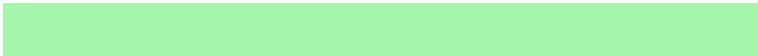
35.9651, 53.2775, 87.1954

# Complementary

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



68.1935, 53.2775, 90.6938



56.4373, 78.0761, 50.6267

# 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.



34.2213, 53.2775, 56.5042



68.1935, 53.2775, 90.6938



42.3016, 53.2775, 22.6154

# Square

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



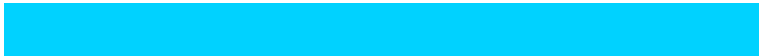
68.1935, 53.2775, 90.6938



61.0397, 53.2775, 23.4358



36.3890, 53.2775, 34.3064



41.4918, 53.2775, 116.2491



# Rectangle

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



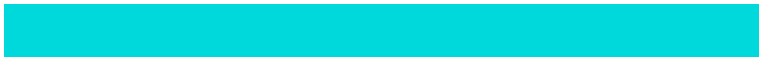
68.1935, 53.2775, 90.6938



70.4334, 53.2775, 42.7849



36.3890, 53.2775, 34.3064



34.9507, 53.2775, 76.4766

# Sweetspot

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



68.1952, 53.2799, 90.6949



87.1524, 84.6775, 104.8102



47.0939, 42.2959, 94.4899



18.4347, 17.6996, 22.3169



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.



68.1952, 53.2799, 90.6949



69.5165, 50.7966, 94.6435



62.7072, 51.0847, 61.7954



17.9357, 17.5016, 21.5171



28.6554, 13.8779, 41.7554



2.6697, 1.2916, 3.9502



# Inverse Universe

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



68.1952, 53.2799, 90.6949



69.5165, 50.7966, 94.6435



60.9743, 79.8909, 74.5183



17.9357, 17.5016, 21.5171



28.6554, 13.8779, 41.7554



2.6697, 1.2916, 3.9502



# Previews

## White Background



This preview shows how the XYZ color 68.1935, 53.2775, 90.6938 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

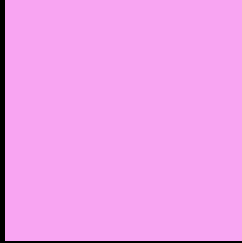
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.1935, 53.2775, 90.6938 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 68.1935, 53.2775, 90.6938**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.1935, 53.2775, 90.6938.



This preview shows how white text looks on a background with the XYZ color 68.1935, 53.2775,

90.6938.

# 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

68.1935, 53.2775, 90.6938

### Protanopia

54.3600, 53.5956, 102.0876

### Deuteranopia

54.7189, 53.4568, 87.5550



## Tritanopia

60.7909, 53.0348, 55.1768

# Trichromacy



## Original Color

68.1935, 53.2775, 90.6938



## Protanomaly

58.3404, 52.9146, 97.5811



## Deuteranomaly

58.7652, 52.7234, 88.7407



## Tritanomaly

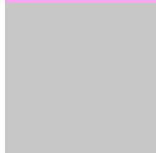
63.2563, 52.9130, 66.5538

# Monochromacy



## Original Color

68.1935, 53.2775, 90.6938



## Achromatopsia

54.2854, 57.1125, 62.1955



## Achromatomaly

58.6513, 55.1987, 71.8531

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.1935, 53.2775, 90.6938 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, 165, 242)` looks like.

```
.text, #text, p{  
    color:rgb(248, 165, 242)  
}
```

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, 165, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 165, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 68.1935, 53.2775, 90.6938 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, 165, 242) }
```



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

```
.border{ border-color:rgb(248, 165, 242) }
```

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

Here you see how a box with a 4 pixel rgb(248, 165, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 165, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 165, 242);  
box-shadow:4px 4px 4px 4px rgb(248, 165,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.1935, 53.2775, 90.6938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 165, 242) }
```

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

```
.background{ background-color: rgb(248,  
165, 242) }
```

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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