

# Converting Colors

XYZ(57.6188, 33.4812, 78.1679)

Have a look what the booklet for  
XYZ(57.6188, 33.4812, 78.1679)  
contains.

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# Color

**XYZ(57.7228, 33.5347,  
78.2934)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FB5AE6
RGB	251, 90, 230
RGB Percent	98%, 35%, 90%
CMY	0.0157, 0.6470, 0.0980
CMYK	0.00, 0.64, 0.08, 0.02
HSL	308°, 95%, 67%
HSV	308°, 64%, 98%
XYZ	57.7228, 33.5347, 78.2934
YIQ	154.0990, 51.0160, 77.6720

# Conversions

## Conversions Part 2

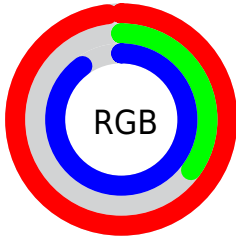
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	251, 90, 230
Decimal	16472806
CIE Lab	64.59, 76.04, -40.23
CIE LCh	65, 86.029, 332.121
Yxy	33.5347, 0.3404, 0.1978
Android (android.graphics.Color)	4294662886 (0xFFFB5AE6)
YUV	154.0990, 37.4192, 84.9822
Hunter-Lab	57.9092, 76.5846, -39.6239

# Details

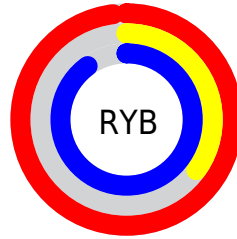
The XYZ color **57.7228, 33.5347, 78.2934** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **41.5845, 72.3172, 26.8082**, and the grayscale version is **30.5855, 32.1783, 35.0422**.

A 20% lighter version of the original color is **70.1963, 50.2927, 100.6154**, and **29.1910, 14.2626, 41.2588** is the 20% darker color. If you saturate the color by 10%, you get **55.4965, 29.8104, 75.3042**, and if you desaturate by 10%, it is **60.6745, 38.6944, 81.5676**.

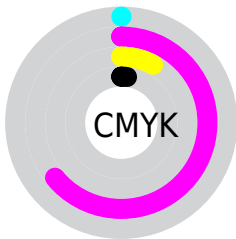
# Distribution



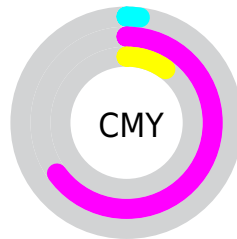
- Red (98%)
- Green (35%)
- Blue (90%)



- Red (98%)
- Yellow (35%)
- Blue (90%)



- Cyan (0%)
- Magenta (64%)
- Yellow (8%)
- Black (2%)




- Cyan (2%)
- Magenta (65%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.7228, 33.5347, 78.2934 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 57.7228, 33.5347, 78.2934 by changing the saturation by 10% instead.




 57.7228, 33.5347,  
78.2934


 57.7228, 33.5347,  
78.2934

406.1228,  
318.0523, 508.7170

 41.8282, 22.5364,  
57.7971


 100.6444, 65.2094,  
132.7533


 29.1573, 14.2515,  
41.2320


 128.4021, 86.6546,  
167.5540

 19.3448, 8.2958,  
28.1793


 160.8449,  
112.3509, 207.9599

 12.0251, 4.2848,  
18.2207

 198.3381,  
142.6827, 254.3896

 6.8331, 1.8341,  
10.9374

241.2472,  
178.0343, 307.2616

 3.4034, 0.5083,  
5.9111

289.9374,

 1.3705, 0.0000,

218.7902, 366.9945

2.7232

344.7742,  
265.3347, 434.0068

■ 0.2350, 0.0000,  
0.9551

■ 0.0000, 0.0000,  
0.0000

■ 57.7228, 33.5347,  
78.2934

■ 57.7228, 33.5347,  
78.2934

■ 55.4965, 29.8104,  
75.3042

■ 60.6745, 38.6944,  
81.5676

■ 53.9168, 27.3663,  
72.5726

■ 64.4129, 45.4145,  
85.1466

■ 52.8927, 26.0197,  
70.0683

■ 68.9968, 53.8118,  
89.0506

■ 52.4731, 25.5850,  
68.6806

■ 74.4785, 63.9904,  
93.2970

80.9059, 76.0463,  
97.9022

88.3235, 90.0684,  
102.8813

93.2610, 99.1162,  
107.0776

93.5942, 99.2495,  
108.8319

# Harmonies

## Analogous

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



46.1959, 33.5347, 129.3346



57.7228, 33.5347, 78.2934



61.8780, 33.5347, 34.0603

# Triad

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



57.7228, 33.5347, 78.2934



31.0052, 33.5347, 2.0241



15.7303, 33.5347, 85.7483

# Complementary

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



57.7228, 33.5347, 78.2934



41.5845, 72.3172, 26.8082

# 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.



13.5826, 33.5347, 39.0819



57.7228, 33.5347, 78.2934



20.8676, 33.5347, 3.9291

# Square

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



57.7228, 33.5347, 78.2934



44.2787, 33.5347, 3.3881



15.1893, 33.5347, 13.0959



22.0333, 33.5347, 135.2559



# Rectangle

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



57.7228, 33.5347, 78.2934



59.2292, 33.5347, 16.4662



15.1893, 33.5347, 13.0959



14.5842, 33.5347, 68.4695

# Sweetspot

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



57.7240, 33.5363, 78.2941



80.4929, 72.4875, 99.1101



27.3505, 17.5166, 93.2075



16.8287, 14.7657, 20.9242



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.



57.7240, 33.5363, 78.2941



56.9830, 30.0309, 77.2056



49.0857, 30.0810, 32.8056



17.8899, 17.4833, 21.2758



27.6204, 13.4639, 36.3052



2.5844, 1.2575, 3.5009



# Inverse Universe

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



57.7240, 33.5363, 78.2941



56.9830, 30.0309, 77.2056



47.9313, 74.8559, 60.2301



17.8899, 17.4833, 21.2758



27.6204, 13.4639, 36.3052

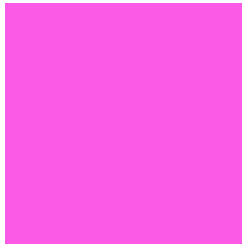


2.5844, 1.2575, 3.5009



# Previews

## White Background



This preview shows how the XYZ color 57.7228, 33.5347, 78.2934 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

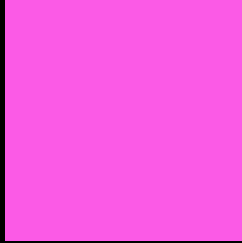
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.7228, 33.5347, 78.2934 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 57.7228, 33.5347, 78.2934**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.7228, 33.5347, 78.2934.



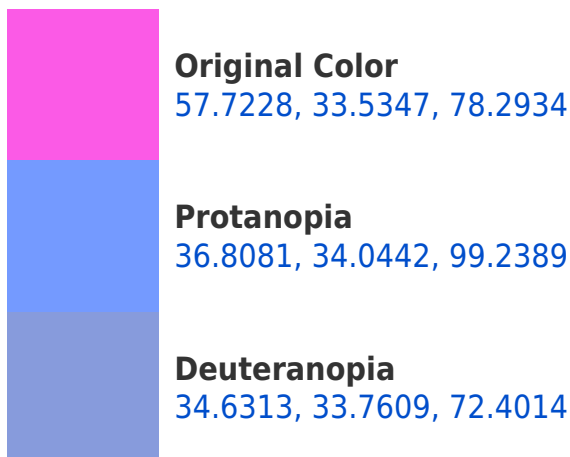
This preview shows how white text looks on a background with the XYZ color 57.7228, 33.5347,



# 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





## Tritanopia

46.4283, 33.2774, 24.3982

# Trichromacy



## Original Color

57.7228, 33.5347, 78.2934



## Protanomaly

40.2679, 30.8858, 91.0280



## Deuteranomaly

39.7023, 30.9615, 74.4046



## Tritanomaly

49.4623, 32.6748, 39.2972

# Monochromacy



## Original Color

57.7228, 33.5347, 78.2934



## Achromatopsia

30.7148, 32.3143, 35.1903



## Achromatomaly

37.5461, 30.4288, 48.1504

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.7228, 33.5347, 78.2934 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(251, 90, 230)` looks like.

```
.text, #text, p{  
    color:rgb(251, 90, 230)  
}
```

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(251, 90, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 90, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 57.7228, 33.5347, 78.2934 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(251, 90, 230) }
```



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

```
.border{ border-color:rgb(251, 90, 230) }
```

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

Here you see how a box with a 4 pixel rgb(251, 90, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 90, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 90, 230);  
box-shadow:4px 4px 4px 4px rgb(251, 90,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.7228, 33.5347, 78.2934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 90, 230) }
```

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

```
.background{ background-color: rgb(251, 90,  
230) }
```

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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