

# Converting Colors

XYZ(88.2785, 51.2761, 81.3907)

Have a look what the booklet for  
XYZ(88.2785, 51.2761, 81.3907)  
contains.

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# Color

**XYZ(60.8571, 37.1893,  
80.3147)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF69E8
RGB	255, 105, 232
RGB Percent	100%, 41%, 91%
CMY	0.0000, 0.5882, 0.0902
CMYK	0.00, 0.59, 0.09, 0.00
HSL	309°, 100%, 71%
HSV	309°, 59%, 100%
XYZ	60.8571, 37.1893, 80.3147
YIQ	164.3280, 48.6330, 71.2970

# Conversions

## Conversions Part 2

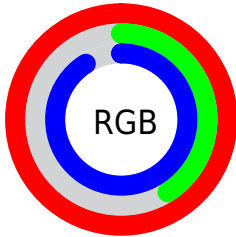
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 105, 232
Decimal	16738792
CIE Lab	67.42, 71.39, -36.88
CIE LCh	67, 80.351, 332.677
Yxy	37.1893, 0.3412, 0.2085
Android (android.graphics.Color)	4294928872 (0xFFFF69E8)
YUV	164.3280, 33.3623, 79.5193
Hunter-Lab	60.9830, 71.4111, -35.3969

# Details

The XYZ color **60.8571, 37.1893, 80.3147** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **45.4832, 76.0824, 32.7124**, and the grayscale version is **35.2739, 37.1108, 40.4137**.

A 20% lighter version of the original color is **72.3872, 54.6744, 101.3457**, and **31.1351, 16.3226, 42.5839** is the 20% darker color. If you saturate the color by 10%, you get **58.0889, 32.5319, 76.6824**, and if you desaturate by 10%, it is **64.4176, 43.4114, 84.2730**.

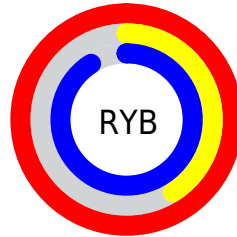
# Distribution



Red (100%)

Green (41%)

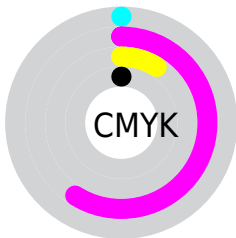
Blue (91%)



Red (100%)

Yellow (41%)

Blue (91%)

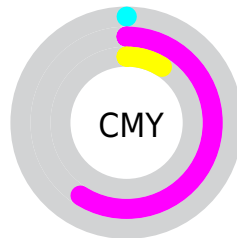


Cyan (0%)

Magenta (59%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (59%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.8571, 37.1893, 80.3147 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 60.8571, 37.1893, 80.3147 by changing the saturation by 10% instead.





 60.8571, 37.1893,  
80.3147


 60.8571, 37.1893,  
80.3147


417.5341,  
334.1294, 515.7275


 44.3620, 25.3541,  
59.4497

 105.1713, 70.8638,  
135.6235


 31.1543, 16.3411,  
42.5528

 133.7210, 93.4719,  
170.9043

 20.8688, 9.7658,  
29.2056


 167.0197,  
120.4398, 211.8275

 13.1400, 5.2440,  
18.9895

 205.4326,  
152.1518, 258.8116

 7.6027, 2.3911,  
11.4860

249.3252,  
188.9924, 312.2750

 3.8914, 0.8213,  
6.2764

299.0627,

 1.6409, 0.0000,

231.3459, 372.6365

2.9424

355.0106,  
279.5968, 440.3145

■ 0.4188, 0.0000,  
1.0653

■ 0.0000, 0.0000,  
0.0000

■ 60.8571, 37.1893,  
80.3147

■ 60.8571, 37.1893,  
80.3147

■ 58.0889, 32.5319,  
76.6824

■ 64.4176, 43.4114,  
84.2730

■ 56.0385, 29.2906,  
73.3496

■ 68.8312, 51.3199,  
88.5765

■ 54.6215, 27.2964,  
70.2880

■ 74.1554, 61.0296,  
93.2453

■ 53.7140, 26.3018,  
67.4560

■ 80.4421, 72.6441,  
98.2971

■ 53.6217, 26.2127,  
67.1309

■ 87.7391, 86.2589,  
103.7481

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



49.7472, 37.1893, 128.6916



60.8571, 37.1893, 80.3147



64.6957, 37.1893, 37.4048

# Triad

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



60.8571, 37.1893, 80.3147



34.2520, 37.1893, 3.4951



18.9176, 37.1893, 89.2978

# Complementary

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



60.8571, 37.1893, 80.3147



45.4832, 76.0824, 32.7124

# 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.



16.5669, 37.1893, 43.7463



60.8571, 37.1893, 80.3147



24.0347, 37.1893, 6.0200

# Square

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



60.8571, 37.1893, 80.3147



47.3782, 37.1893, 5.1735



18.1973, 37.1893, 16.6472



25.5478, 37.1893, 135.6663



# Rectangle

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



60.8571, 37.1893, 80.3147



62.0307, 37.1893, 19.5587



18.1973, 37.1893, 16.6472



17.6808, 37.1893, 72.6984

# Sweetspot

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



60.8579, 37.1908, 80.3154



81.0024, 73.6850, 98.7293



31.9302, 21.8755, 97.1472



16.9193, 14.9948, 20.8068



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.



60.8579, 37.1908, 80.3154



57.5835, 31.7101, 75.9315



52.4213, 33.8162, 35.8889



18.6659, 18.2497, 22.1238



28.0637, 13.7148, 35.3153



2.7634, 1.3477, 3.6014



# Inverse Universe

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



60.8579, 37.1908, 80.3154



57.5835, 31.7101, 75.9315



52.3068, 78.8118, 68.6449



18.6659, 18.2497, 22.1238



28.0637, 13.7148, 35.3153



2.7634, 1.3477, 3.6014



# Previews

## White Background



This preview shows how the XYZ color 60.8571, 37.1893, 80.3147 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

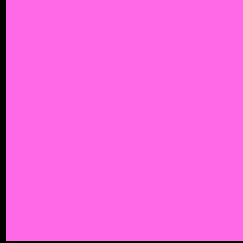
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.8571, 37.1893, 80.3147 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

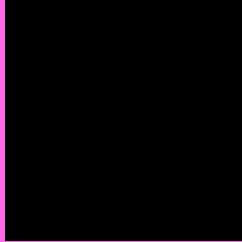
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 60.8571, 37.1893, 80.3147**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.8571, 37.1893, 80.3147.



This preview shows how white text looks on a background with the XYZ color 60.8571, 37.1893,



# 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

60.8571, 37.1893, 80.3147

### Protanopia

40.0236, 37.7278, 99.7805

### Deuteranopia

38.4524, 37.4643, 75.0167



## Tritanopia

50.1666, 36.9771, 28.9193

# Trichromacy



## Original Color

60.8571, 37.1893, 80.3147



## Protanomaly

43.9926, 34.8791, 92.4094



## Deuteranomaly

43.7459, 35.1055, 76.4219



## Tritanomaly

53.3262, 36.5898, 43.7871

# Monochromacy



## Original Color

60.8571, 37.1893, 80.3147



## Achromatopsia

35.2861, 37.1238, 40.4278



## Achromatomaly

42.0337, 35.1894, 52.7209

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.8571, 37.1893, 80.3147 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(255, 105, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 105, 232)  
}
```

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(255, 105, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 105, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 60.8571, 37.1893, 80.3147 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(255, 105, 232) }
```



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

```
.border{ border-color:rgb(255, 105, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 105, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 105, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 105, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 105,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.8571, 37.1893, 80.3147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 105, 232) }
```

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

```
.background{ background-color: rgb(255,  
105, 232) }
```

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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