

# Converting Colors

XYZ(53.2830, 33.6116, 68.4122)

Have a look what the booklet for  
XYZ(53.2830, 33.6116, 68.4122)  
contains.

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# Color

**XYZ(53.3814, 33.5863,  
68.6350)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F069D8
RGB	240, 105, 216
RGB Percent	94%, 41%, 85%
CMY	0.0588, 0.5882, 0.1529
CMYK	0.00, 0.56, 0.10, 0.06
HSL	311°, 82%, 68%
HSV	311°, 56%, 94%
XYZ	53.3814, 33.5863, 68.6350
YIQ	158.0190, 44.8290, 63.1410

# Conversions

## Conversions Part 2

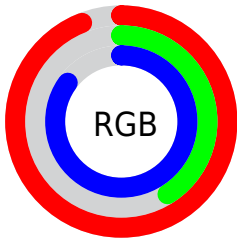
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 105, 216
Decimal	15755736
CIE Lab	64.63, 64.97, -32.46
CIE LCh	65, 72.631, 333.452
Yxy	33.5863, 0.3431, 0.2158
Android (android.graphics.Color)	4293945816 (0xFFFF069D8)
YUV	158.0190, 28.5846, 71.8973
Hunter-Lab	57.9537, 62.9982, -29.6500

# Details

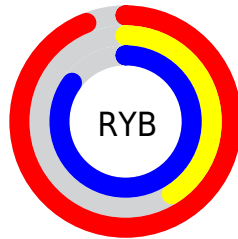
The XYZ color **53.3814, 33.5863, 68.6350** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **40.9498, 66.9096, 31.5280**, and the grayscale version is **32.3696, 34.0554, 37.0863**.

A 20% lighter version of the original color is **72.2103, 54.3207, 101.2868**, and **26.4275, 14.2737, 35.0804** is the 20% darker color. If you saturate the color by 10%, you get **50.7285, 29.1513, 65.0644**, and if you desaturate by 10%, it is **56.7404, 39.4093, 72.5122**.

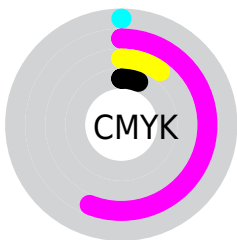
# Distribution



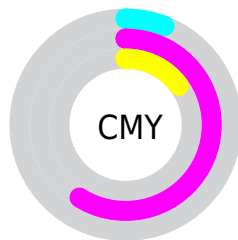
- Red (94%)
- Green (41%)
- Blue (85%)



- Red (94%)
- Yellow (41%)
- Blue (85%)



- Cyan (0%)
- Magenta (56%)
- Yellow (10%)
- Black (6%)




- Cyan (6%)
- Magenta (59%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.3814, 33.5863, 68.6350 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 53.3814, 33.5863, 68.6350 by changing the saturation by 10% instead.





 53.3814, 33.5863,  
68.6350


 53.3814, 33.5863,  
68.6350


389.9836,  
318.2834, 474.4016


 38.3360, 22.5760,  
49.9446


 94.3276, 65.2898,  
118.9229


 26.4220, 14.2807,  
34.9985


 120.9591, 86.7518,  
151.3574

 17.2739, 8.3162,  
23.3782


 152.1834,  
112.4664, 189.2105

 10.5265, 4.2979,  
14.6651

 188.3658,  
142.8181, 232.9005

 5.8143, 1.8416,  
8.4407

229.8717,  
178.1913, 282.8461

 2.7721, 0.5129,  
4.2864

277.0663,

 1.0344, 0.0000,

218.9703, 339.4658

1.7837

330.3152,  
265.5395, 403.1781

■ 0.0000, 0.0000,  
0.4172

■ 0.0000, 0.0000,  
0.0000

■ 53.3814, 33.5863,  
68.6350

■ 53.3814, 33.5863,  
68.6350

■ 50.7285, 29.1513,  
65.0644

■ 56.7404, 39.4093,  
72.5122

■ 48.7186, 25.9802,  
61.7780


■ 60.8551, 46.7211,  
76.7123


■ 47.2829, 23.9348,  
58.7526


■ 65.7742, 55.6186,  
81.2522

■ 46.3343, 22.8413,  
55.9587


■ 71.5416, 66.1892,  
86.1471


 46.0516, 22.5719,  
54.9523

 78.1978, 78.5139,  
91.4111

 85.7808, 92.6683,  
97.0571

 88.3100, 96.6912,  
101.0924

 88.9722, 96.9561,  
104.5795

 89.6495, 97.2270,  
108.1463

# Harmonies

## Analogous

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



44.2746, 33.5863, 108.2668



53.3814, 33.5863, 68.6350



56.3568, 33.5863, 33.2261

# Triad

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



53.3814, 33.5863, 68.6350



30.7328, 33.5863, 4.0066



17.9669, 33.5863, 78.1376

# Complementary

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



53.3814, 33.5863, 68.6350



40.9498, 66.9096, 31.5280

# 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.



15.8231, 33.5863, 40.1306



53.3814, 33.5863, 68.6350



22.1127, 33.5863, 6.5643

# Square

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



53.3814, 33.5863, 68.6350



41.7292, 33.5863, 5.5263



17.1579, 33.5863, 16.4683



23.7873, 33.5863, 115.5393



# Rectangle

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



53.3814, 33.5863, 68.6350



54.0278, 33.5863, 18.1730



17.1579, 33.5863, 16.4683



16.8576, 33.5863, 64.4523

# Sweetspot

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



53.3825, 33.5879, 68.6357



81.5298, 74.9057, 98.3940



29.6085, 20.9469, 84.9214



17.1515, 15.4825, 20.8123



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.



53.3825, 33.5879, 68.6357



57.9614, 33.0397, 74.2885



46.4932, 30.8322, 32.3570



16.3266, 15.9804, 19.2762



25.2540, 12.3740, 30.3177



2.1321, 1.0419, 2.6865



# Inverse Universe

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



53.3825, 33.5879, 68.6357



57.9614, 33.0397, 74.2885



46.8375, 69.2647, 62.5323



16.3266, 15.9804, 19.2762



25.2540, 12.3740, 30.3177



2.1321, 1.0419, 2.6865



# Previews

## White Background



This preview shows how the XYZ color 53.3814, 33.5863, 68.6350 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

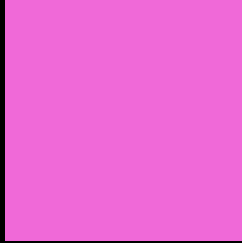
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.3814, 33.5863, 68.6350 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

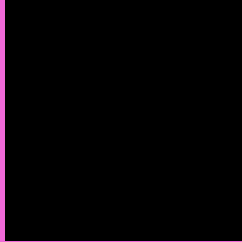
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 53.3814, 33.5863, 68.6350**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.3814, 33.5863, 68.6350.



This preview shows how white text looks on a background with the XYZ color 53.3814, 33.5863,



# 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

53.3814, 33.5863, 68.6350

### Protanopia

36.9417, 34.1131, 99.2452

### Deuteranopia

34.7836, 34.0165, 64.4071



## Tritanopia

44.5917, 33.3774, 26.6465

# Trichromacy



## Original Color

53.3814, 33.5863, 68.6350



## Protanomaly

39.5816, 31.6406, 87.2402



## Deuteranomaly

39.5259, 32.2978, 65.7789



## Tritanomaly

47.1110, 33.1296, 39.0336

# Monochromacy



## Original Color

53.3814, 33.5863, 68.6350



## Achromatopsia

32.4990, 34.1914, 37.2345



## Achromatomaly

38.1083, 32.4113, 46.8953

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.3814, 33.5863, 68.6350 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(240, 105, 216)` looks like.

```
.text, #text, p{  
    color:rgb(240, 105, 216)  
}
```

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(240, 105, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 105, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 53.3814, 33.5863, 68.6350 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(240, 105, 216) }
```



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

```
.border{ border-color:rgb(240, 105, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 105, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 105, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 105, 216);  
box-shadow:4px 4px 4px 4px rgb(240, 105,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.3814, 33.5863, 68.6350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 105, 216) }
```

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

```
.background{ background-color: rgb(240,  
105, 216) }
```

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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