

# Converting Colors

XYZ(54.3089, 33.5172, 62.7436)

Have a look what the booklet for  
XYZ(54.3089, 33.5172, 62.7436)  
contains.

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# Color

**XYZ(54.1774, 33.3935,  
62.6216)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F764CF
RGB	247, 100, 207
RGB Percent	97%, 39%, 81%
CMY	0.0314, 0.6078, 0.1882
CMYK	0.00, 0.60, 0.16, 0.03
HSL	316°, 90%, 68%
HSV	316°, 60%, 97%
XYZ	54.1774, 33.3935, 62.6216
YIQ	156.1510, 53.2650, 64.4410

# Conversions

## Conversions Part 2

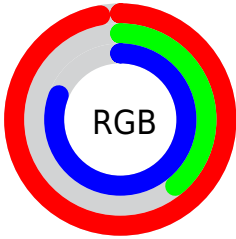
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	247, 100, 207
Decimal	16213199
CIE Lab	64.48, 67.68, -27.57
CIE LCh	64, 73.079, 337.838
Yxy	33.3935, 0.3607, 0.2223
Android (android.graphics.Color)	4294403279 (0xFFFF764CF)
YUV	156.1510, 25.0686, 79.6746
Hunter-Lab	57.7871, 66.2224, -23.7992

# Details

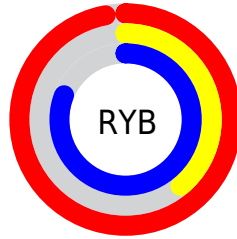
The XYZ color **54.1774, 33.3935, 62.6216** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **43.2516, 71.1254, 36.2629**, and the grayscale version is **31.5437, 33.1864, 36.1400**.

A 20% lighter version of the original color is **71.5169, 52.9337, 101.0556**, and **26.7919, 14.0935, 31.0140** is the 20% darker color. If you saturate the color by 10%, you get **51.3530, 29.0315, 57.7118**, and if you desaturate by 10%, it is **57.7568, 39.2085, 67.9562**.

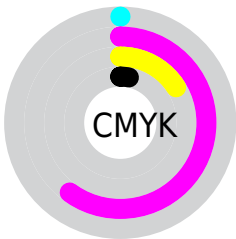
# Distribution



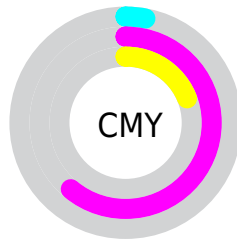
- Red (97%)
- Green (39%)
- Blue (81%)



- Red (97%)
- Yellow (39%)
- Blue (81%)



- Cyan (0%)
- Magenta (60%)
- Yellow (16%)
- Black (3%)




- Cyan (3%)
- Magenta (61%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.1774, 33.3935, 62.6216 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 54.1774, 33.3935, 62.6216 by changing the saturation by 10% instead.





 54.1774, 33.3935,  
62.6216

 54.1774, 33.3935,  
62.6216

392.9735,  
317.4192, 452.2650


 38.9747, 22.4281,  
45.0961

 95.4900, 64.9894,  
110.2037


 26.9207, 14.1718,  
31.1896

 122.3307, 86.3886,  
141.0974

 17.6500, 8.2402,  
20.4836


 153.7815,  
112.0346, 177.2843

 10.7971, 4.2491,  
12.5595

 190.2076,  
142.3117, 219.1829

 5.9969, 1.8138,  
6.9988

231.9745,  
177.6043, 267.2117

 2.8838, 0.4958,  
3.3829

279.4476,

 1.0926, 0.0000,

218.2968, 321.7893

1.2933

332.9921,  
264.7736, 383.3342

■ 0.0189, 0.0000,  
0.0563

■ 0.0000, 0.0000,  
0.0000

■ 54.1774, 33.3935,  
62.6216

■ 54.1774, 33.3935,  
62.6216

■ 51.3530, 29.0315,  
57.7118

■ 57.7568, 39.2085,  
67.9562

■ 49.2128, 25.9830,  
53.2003


■ 62.1472, 46.5893,  
73.7356


■ 47.6775, 24.0898,  
49.0588


■ 67.4028, 55.6433,  
79.9802


■ 46.6210, 23.1005,  
45.2430


■ 73.5722, 66.4668,  
86.7080

 46.5745, 23.0609,  
45.0624

 80.7003, 79.1490,  
93.9362

 88.8288, 93.7729,  
101.6805

 92.0155, 98.4533,  
107.9621

 92.1680, 98.5143,  
108.7651

# Harmonies

## Analogous

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



45.7034, 33.3935, 103.2175



54.1774, 33.3935, 62.6216



56.0475, 33.3935, 29.0745

# Triad

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



54.1774, 33.3935, 62.6216



29.0817, 33.3935, 3.9773



18.3871, 33.3935, 84.2127

# Complementary

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



54.1774, 33.3935, 62.6216



43.2516, 71.1254, 36.2629

# 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.



15.7262, 33.3935, 44.7707



54.1774, 33.3935, 62.6216



20.9560, 33.3935, 7.2444

# Square

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



54.1774, 33.3935, 62.6216



39.9237, 33.3935, 4.8870



16.5508, 33.3935, 18.7090



24.7580, 33.3935, 119.7353



# Rectangle

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



54.1774, 33.3935, 62.6216



52.9871, 33.3935, 15.5896



16.5508, 33.3935, 18.7090



17.1007, 33.3935, 70.3260

# Sweetspot

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



54.1785, 33.3951, 62.6222



80.1687, 73.3515, 94.3391



32.0284, 21.3380, 90.4268



16.7137, 14.9125, 19.7245



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.



54.1785, 33.3951, 62.6222



54.7935, 30.5941, 61.2394



47.2404, 30.6199, 26.0867



17.0099, 16.6868, 19.7989



24.6942, 12.2211, 24.1620



2.2133, 1.0913, 2.3498



# Inverse Universe

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



54.1785, 33.3951, 62.6222



54.7935, 30.5941, 61.2394



50.4898, 74.0207, 74.3792



17.0099, 16.6868, 19.7989



24.6942, 12.2211, 24.1620



2.2133, 1.0913, 2.3498



# Previews

## White Background



This preview shows how the XYZ color 54.1774, 33.3935, 62.6216 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

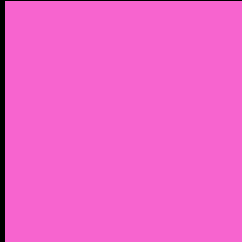
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.1774, 33.3935, 62.6216 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

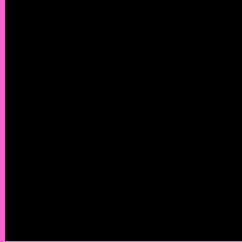
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 54.1774, 33.3935, 62.6216**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.1774, 33.3935, 62.6216.



This preview shows how white text looks on a background with the XYZ color 54.1774, 33.3935,



# 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

54.1774, 33.3935, 62.6216

### Protanopia

36.4002, 33.9438, 94.2558

### Deuteranopia

34.3263, 33.6724, 58.1163



## Tritanopia

46.2094, 33.3422, 24.4223

# Trichromacy



## Original Color

54.1774, 33.3935, 62.6216



## Protanomaly

39.1023, 31.0977, 81.7834



## Deuteranomaly

39.0753, 31.5815, 59.2947



## Tritanomaly

48.6089, 33.1218, 35.7295

# Monochromacy



## Original Color

54.1774, 33.3935, 62.6216



## Achromatopsia

31.5995, 33.2452, 36.2040



## Achromatomaly

37.5283, 31.5223, 44.6639

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.1774, 33.3935, 62.6216 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(247, 100, 207)` looks like.

```
.text, #text, p{  
    color:rgb(247, 100, 207)  
}
```

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(247, 100, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 100, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 54.1774, 33.3935, 62.6216 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(247, 100, 207) }
```



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

```
.border{ border-color:rgb(247, 100, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 100, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(247, 100, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(247, 100, 207); box-shadow:4px 4px 4px 4px rgb(247, 100, 207) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.1774, 33.3935, 62.6216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 100, 207) }
```

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

```
.background{ background-color: rgb(247,  
100, 207) }
```

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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