

# Converting Colors

XYZ(123.5370, 65.8680,  
65.3055)

Have a look what the booklet for  
XYZ(123.5370, 65.8680, 65.3055)  
contains.

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# Color

**XYZ(54.8198, 30.3997,  
62.0099)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF48CF
RGB	255, 72, 207
RGB Percent	100%, 28%, 81%
CMY	0.0000, 0.7176, 0.1882
CMYK	0.00, 0.72, 0.19, 0.00
HSL	316°, 100%, 64%
HSV	316°, 72%, 100%
XYZ	54.8198, 30.3997, 62.0099
YIQ	142.1070, 65.7330, 80.7810

# Conversions

## Conversions Part 2

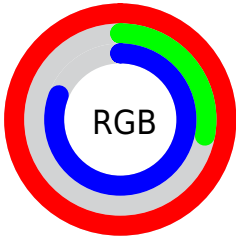
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 72, 207
Decimal	16730319
CIE <sub>Lab</sub>	62.00, 80.00, -31.30
CIE <sub>LCh</sub>	62, 85.910, 338.633
Yxy	30.3997, 0.3723, 0.2065
Android (android.graphics.Color)	4294920399 (0xFFFF48CF)
YUV	142.1070, 31.9922, 99.0072
Hunter-Lab	55.1359, 80.9887, -28.0867

# Details

The XYZ color **54.8198, 30.3997, 62.0099** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **41.8241, 74.2544, 29.9007**, and the grayscale version is **25.6146, 26.9485, 29.3469**.

A 20% lighter version of the original color is **67.9540, 45.8079, 99.8680**, and **27.9156, 13.7363, 30.8858** is the 20% darker color. If you saturate the color by 10%, you get **52.6989, 27.4388, 57.3534**, and if you desaturate by 10%, it is **57.6600, 34.7433, 67.0776**.

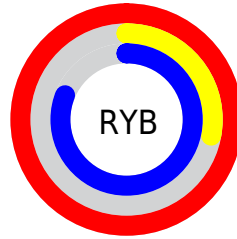
# Distribution



Red (100%)

Green (28%)

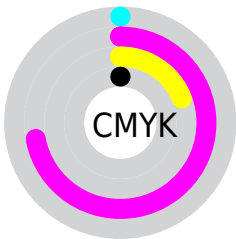
Blue (81%)



Red (100%)

Yellow (28%)

Blue (81%)

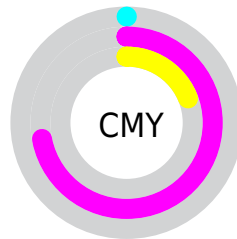


Cyan (0%)

Magenta (72%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (72%)


Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.8198, 30.3997, 62.0099 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 54.8198, 30.3997, 62.0099 by changing the saturation by 10% instead.




 54.8198, 30.3997,  
62.0099

 54.8198, 30.3997,  
62.0099

395.3760,  
303.7631, 449.9759

 39.4907, 20.1422,  
44.6049


 96.4267, 60.2937,  
109.3116


 27.3241, 12.4984,  
30.8056


 123.4353, 80.6990,  
140.0453

 17.9547, 7.0841,  
20.1937


 155.0678,  
105.2556, 176.0590

 11.0169, 3.5147,  
12.3504

 191.6896,  
134.3480, 217.7712

 6.1456, 1.4060,  
6.8574

233.6659,  
168.3606, 265.6004

 2.9753, 0.2211,  
3.2960

281.3622,

 1.1407, 0.0000,

207.6777, 319.9652

1.2477

335.1438,  
252.6837, 381.2842

■ 0.0588, 0.0000,  
0.0183

■ 0.0000, 0.0000,  
0.0000

■ 54.8198, 30.3997,  
62.0099

■ 54.8198, 30.3997,  
62.0099

■ 52.6989, 27.4388,  
57.3534

■ 57.6600, 34.7433,  
67.0776

■ 51.2036, 25.6748,  
53.0741

■ 61.2927, 40.6159,  
72.5822

■ 50.3291, 24.8957,  
49.7927

■ 65.7846, 48.1501,  
78.5483

■ 71.1943, 57.4627,  
84.9972

77.5755, 68.6600,  
91.9489

84.9772, 81.8399,  
99.4217

93.4455, 97.0934,  
107.4327

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.



45.0465, 30.3997, 111.4973



54.8198, 30.3997, 62.0099



56.7918, 30.3997, 24.4622

# Triad

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



54.8198, 30.3997, 62.0099



25.6952, 30.3997, 1.6550



14.8152, 30.3997, 90.6013

# Complementary

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



54.8198, 30.3997, 62.0099



41.8241, 74.2544, 29.9007

# 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.



12.0614, 30.3997, 43.5641



54.8198, 30.3997, 62.0099



17.1540, 30.3997, 4.1615

# Square

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



54.8198, 30.3997, 62.0099



37.7390, 30.3997, 2.2001



12.7857, 30.3997, 14.9496



21.5517, 30.3997, 134.2916



# Rectangle

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



54.8198, 30.3997, 62.0099



53.0218, 30.3997, 11.0579



12.7857, 30.3997, 14.9496



13.4870, 30.3997, 73.7537

# Sweetspot

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



54.8206, 30.4011, 62.0105



77.4109, 68.3690, 91.7764



27.8065, 15.6907, 96.1708



16.1790, 13.9455, 19.2303



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.



54.8206, 30.4011, 62.0105



51.9945, 26.5567, 55.4952



46.8137, 27.1984, 19.8467



18.5773, 18.2142, 21.6570



26.3627, 13.0344, 26.3584



2.6118, 1.2871, 2.8031



# Inverse Universe

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



54.8206, 30.4011, 62.0105



51.9945, 26.5567, 55.4952



49.9732, 77.5141, 72.8136



18.5773, 18.2142, 21.6570



26.3627, 13.0344, 26.3584



2.6118, 1.2871, 2.8031



# Previews

## White Background



This preview shows how the XYZ color 54.8198, 30.3997, 62.0099 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

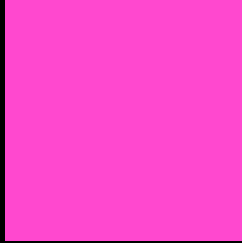
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.8198, 30.3997, 62.0099 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 54.8198, 30.3997, 62.0099**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.8198, 30.3997, 62.0099.



This preview shows how white text looks on a background with the XYZ color 54.8198, 30.3997,



# 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

54.8198, 30.3997, 62.0099

### Protanopia

34.0772, 30.9710, 98.7897

### Deuteranopia

31.2127, 30.4284, 56.4527



## Tritanopia

45.5177, 30.1997, 17.8981

# Trichromacy



## Original Color

54.8198, 30.3997, 62.0099



## Protanomaly

36.2496, 26.8751, 84.1658



## Deuteranomaly

36.4332, 27.5482, 58.0407



## Tritanomaly

47.9188, 29.6662, 29.9886

# Monochromacy



## Original Color

54.8198, 30.3997, 62.0099



## Achromatopsia

25.7108, 27.0498, 29.4572



## Achromatomaly

32.7727, 25.5430, 39.2794

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.8198, 30.3997, 62.0099 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, 72, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 72, 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(255, 72, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 72, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 54.8198, 30.3997, 62.0099 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, 72, 207) }
```



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

```
.border{ border-color:rgb(255, 72, 207) }
```

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

Here you see how a box with a 4 pixel rgb(255, 72, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 72, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 72, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 72,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.8198, 30.3997, 62.0099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 72, 207) }
```

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

```
.background{ background-color: rgb(255, 72,  
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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