

# Converting Colors

XYZ(51.7379, 29.3737, 45.1570)

Have a look what the booklet for  
XYZ(51.7379, 29.3737, 45.1570)  
contains.

<b>XYZ(51.7247, 29.3719, 45.0626)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(51.7247, 29.3719,  
45.0626)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF4AB2
RGB	255, 74, 178
RGB Percent	100%, 29%, 70%
CMY	0.0000, 0.7098, 0.3020
CMYK	0.00, 0.71, 0.30, 0.00
HSL	326°, 100%, 65%
HSV	326°, 71%, 100%
XYZ	51.7247, 29.3719, 45.0626
YIQ	139.9750, 74.4920, 70.7160

# Conversions

## Conversions Part 2

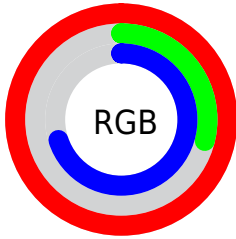
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 74, 178
Decimal	16730802
CIE <sub>Lab</sub>	61.11, 75.85, -16.10
CIE <sub>LCh</sub>	61, 77.541, 348.017
Yxy	29.3719, 0.4100, 0.2328
Android (android.graphics.Color)	4294920882 (0xFFFF4AB2)
YUV	139.9750, 18.7463, 100.8769
Hunter-Lab	54.1958, 75.5183, -11.3612

# Details

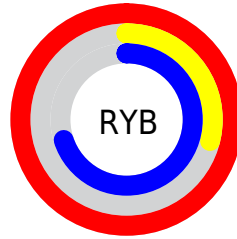
The XYZ color **51.7247, 29.3719, 45.0626** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **44.1716, 75.2110, 41.4717**, and the grayscale version is **24.8286, 26.1216, 28.4464**.

A 20% lighter version of the original color is **64.8954, 44.8088, 83.0705**, and **25.9498, 12.9500, 20.5339** is the 20% darker color. If you saturate the color by 10%, you get **49.3071, 26.2116, 39.0934**, and if you desaturate by 10%, it is **54.9193, 33.9484, 51.7164**.

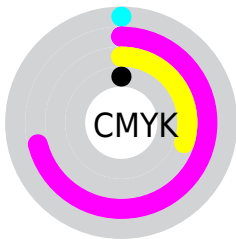
# Distribution



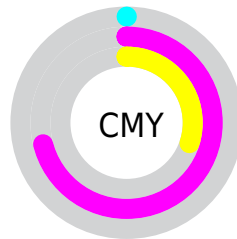
- Red (100%)
- Green (29%)
- Blue (70%)



- Red (100%)
- Yellow (29%)
- Blue (70%)



- Cyan (0%)
- Magenta (71%)
- Yellow (30%)
- Black (0%)




- Cyan (0%)
- Magenta (71%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7247, 29.3719, 45.0626 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 51.7247, 29.3719, 45.0626 by changing the saturation by 10% instead.




 51.7247, 29.3719,  
45.0626


 51.7247, 29.3719,  
45.0626

383.7143,  
298.9657, 383.1945

 37.0091, 19.3623,  
31.1634


 91.9017, 58.6674,  
84.1338


 25.3882, 11.9324,  
20.4638


 118.0939, 78.7222,  
110.1429

 16.4968, 6.6977,  
12.5452


 148.8422,  
102.8942, 141.0257

 9.9694, 3.2737,  
6.9891

 184.5121,  
131.5677, 177.2008

 5.4408, 1.2763,  
3.3770

225.4689,  
165.1272, 219.0867

 2.5455, 0.1227,  
1.2902

272.0779,

 0.9183, 0.0000,

203.9572, 267.1019

0.0537

324.7046,  
248.4418, 321.6650

■ 0.0000, 0.0000,  
0.0000

■ 51.7247, 29.3719,  
45.0626

■ 51.7247, 29.3719,  
45.0626

■ 49.3071, 26.2116,  
39.0934

■ 54.9193, 33.9484,  
51.7164

■ 47.5731, 24.2838,  
33.7671

■ 58.9650, 40.0860,  
59.0881

■ 46.4683, 23.3513,  
29.4621

■ 63.9291, 47.9165,  
67.2097

■ 69.8713, 57.5565,  
76.1098

■ 76.8461, 69.1119,  
85.8153

84.9037, 82.6808,  
96.3513

94.0910, 98.3541,  
107.7415

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.



45.1062, 29.3719, 85.9153



51.7247, 29.3719, 45.0626



50.9257, 29.3719, 17.6072

# Triad

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



51.7247, 29.3719, 45.0626



22.2991, 29.3719, 2.8248



16.7807, 29.3719, 94.2198

# Complementary

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



51.7247, 29.3719, 45.0626



44.1716, 75.2110, 41.4717

# 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.



13.1535, 29.3719, 52.5999



51.7247, 29.3719, 45.0626



15.7658, 29.3719, 7.2540

# Square

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



51.7247, 29.3719, 45.0626



32.1734, 29.3719, 2.5330



12.8337, 29.3719, 21.7131



24.0538, 29.3719, 123.8926



# Rectangle

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



51.7247, 29.3719, 45.0626



46.3134, 29.3719, 8.4140



12.8337, 29.3719, 21.7131



15.1795, 29.3719, 80.3099

# Sweetspot

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



51.7254, 29.3734, 45.0631



76.8282, 69.0820, 85.7911



32.9713, 18.5484, 96.4502



16.0096, 14.0615, 17.7718



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.



51.7254, 29.3734, 45.0631



48.5329, 25.2990, 36.8753



45.4966, 26.8818, 12.2625



18.4469, 18.1621, 20.9703



24.3570, 12.2321, 15.7963



2.4263, 1.2129, 1.8261



# Inverse Universe

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



51.7254, 29.3734, 45.0631



48.5329, 25.2990, 36.8753



54.3008, 79.2626, 94.8112



18.4469, 18.1621, 20.9703



24.3570, 12.2321, 15.7963



2.4263, 1.2129, 1.8261



# Previews

## White Background



This preview shows how the XYZ color 51.7247, 29.3719, 45.0626 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

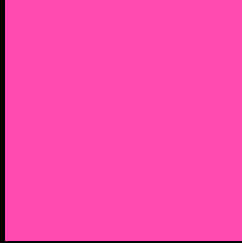
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.7247, 29.3719, 45.0626 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

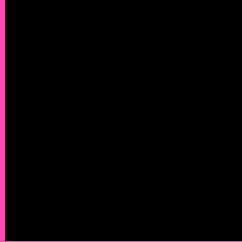
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 51.7247, 29.3719, 45.0626**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.7247, 29.3719, 45.0626.



This preview shows how white text looks on a background with the XYZ color 51.7247, 29.3719,

45.0626.

# 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

51.7247, 29.3719, 45.0626

### Protanopia

31.6044, 29.6898, 78.1937

### Deuteranopia

29.9900, 29.4491, 41.1494



## Tritanopia

45.5081, 29.2637, 15.5618

# Trichromacy



## Original Color

51.7247, 29.3719, 45.0626



## Protanomaly

34.1660, 26.0623, 64.2025



## Deuteranomaly

35.0295, 26.9910, 42.3933



## Tritanomaly

47.1543, 28.9106, 23.8639

# Monochromacy



## Original Color

51.7247, 29.3719, 45.0626



## Achromatopsia

24.9269, 26.2251, 28.5591



## Achromatomaly

31.3695, 24.7690, 33.6994

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.7247, 29.3719, 45.0626 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, 74, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 74, 178)  
}
```

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, 74, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 74, 178) }
```

## Border

The CSS property to change the border of an element to XYZ 51.7247, 29.3719, 45.0626 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, 74, 178) }
```



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

```
.border{ border-color:rgb(255, 74, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 74, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 74, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 74, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 74,  
178) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.7247, 29.3719, 45.0626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 74, 178) }
```

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

```
.background{ background-color: rgb(255, 74,  
178) }
```

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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