

# Converting Colors

XYZ(133.7657, 72.1418,  
43.9004)

Have a look what the booklet for  
XYZ(133.7657, 72.1418, 43.9004)  
contains.

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# Color

**XYZ(51.0323, 29.5359,  
40.0571)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF4EA8
RGB	255, 78, 168
RGB Percent	100%, 31%, 66%
CMY	0.0000, 0.6941, 0.3412
CMYK	0.00, 0.69, 0.34, 0.00
HSL	329°, 100%, 65%
HSV	329°, 69%, 100%
XYZ	51.0323, 29.5359, 40.0571
YIQ	141.1830, 76.6020, 65.5140

# Conversions

## Conversions Part 2

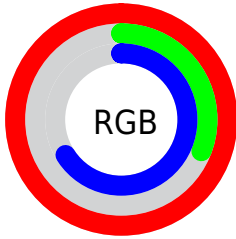
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 78, 168</a>
Decimal	<a href="#">16731816</a>
CIELab	<a href="#">61.25, 73.40, -10.12</a>
CIELCh	<a href="#">61, 74.098, 352.154</a>
Yxy	<a href="#">29.5359, 0.4231, 0.2449</a>
Android (android.graphics.Color)	<a href="#">4294921896</a> (0xFFFF4EA8)
YUV	<a href="#">141.1830, 13.2208, 99.8175</a>
Hunter-Lab	<a href="#">54.3469, 72.5061, -5.6576</a>

# Details

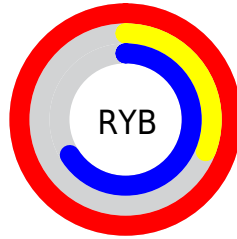
The XYZ color **51.0323, 29.5359, 40.0571** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **45.6952, 75.8571, 47.8355**, and the grayscale version is **25.3195, 26.6381, 29.0089**.

A 20% lighter version of the original color is **63.7919, 45.0530, 75.1459**, and **25.4005, 12.7303, 17.6414** is the 20% darker color. If you saturate the color by 10%, you get **48.4465, 26.1440, 33.7088**, and if you desaturate by 10%, it is **54.4340, 34.3795, 47.2333**.

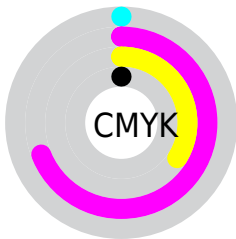
# Distribution



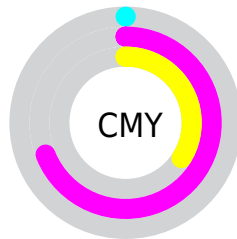
- Red (100%)
- Green (31%)
- Blue (66%)



- Red (100%)
- Yellow (31%)
- Blue (66%)



- Cyan (0%)
- Magenta (69%)
- Yellow (34%)
- Black (0%)




- Cyan (0%)
- Magenta (69%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0323, 29.5359, 40.0571 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 51.0323, 29.5359, 40.0571 by changing the saturation by 10% instead.





 51.0323, 29.5359,  
40.0571

 51.0323, 29.5359,  
40.0571

381.0749,  
299.7351, 361.9234


 36.4555, 19.4866,  
27.2689


 90.8852, 58.9275,  
76.4885


 24.9579, 12.0224,  
17.5411

 116.8920, 79.0385,  
100.9688

 16.1743, 6.7589,  
10.4550


 147.4395,  
103.2722, 130.1836

 9.7392, 3.3118,  
5.5921

 182.8931,  
132.0130, 164.5514

 5.2873, 1.2966,  
2.5340

223.6180,  
165.6454, 204.4907

 2.4533, 0.1386,  
0.8581

269.9797,

 0.8718, 0.0000,

204.5535, 250.4202

0.0000

322.3436,  
249.1220, 302.7582

■ 0.0000, 0.0000,  
0.0000

■ 51.0323, 29.5359,  
40.0571

■ 51.0323, 29.5359,  
40.0571

■ 48.4465, 26.1440,  
33.7088

■ 54.4340, 34.3795,  
47.2333

■ 46.5849, 24.0254,  
28.1414

■ 58.7250, 40.8166,  
55.2761


■ 45.3124, 22.9152,  
23.2939

■ 63.9726, 48.9771,  
64.2226

■ 45.2461, 22.8624,  
23.0258

■ 70.2364, 58.9760,  
74.1066

■ 77.5713, 70.9183,  
84.9598

 86.0279, 84.9013,  
96.8122

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.



45.6252, 29.5359, 77.6096



51.0323, 29.5359, 40.0571



49.2538, 29.5359, 15.8686

# Triad

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



51.0323, 29.5359, 40.0571



21.5822, 29.5359, 3.6632



18.0729, 29.5359, 95.8898

# Complementary

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



51.0323, 29.5359, 40.0571



45.6952, 75.8571, 47.8355

# 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.



14.0470, 29.5359, 56.9428



51.0323, 29.5359, 40.0571



15.7220, 29.5359, 9.1900

# Square

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



51.0323, 29.5359, 40.0571



30.7099, 29.5359, 2.9088



13.2992, 29.5359, 25.3749



25.5915, 29.5359, 120.0173



# Rectangle

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



51.0323, 29.5359, 40.0571



44.3848, 29.5359, 7.9133



13.2992, 29.5359, 25.3749



16.3453, 29.5359, 83.3043

# Sweetspot

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



51.0331, 29.5374, 40.0576



76.3296, 68.8825, 83.1655



35.9934, 20.5156, 96.6706



15.8911, 14.0141, 17.1476



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.



51.0331, 29.5374, 40.0576



47.6996, 25.2465, 31.6215



45.4488, 27.3037, 10.6515



18.3948, 18.1412, 20.6962



23.7177, 11.9764, 12.4298



2.3645, 1.1882, 1.5009



# Inverse Universe

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



51.0331, 29.5374, 40.0576



47.6996, 25.2465, 31.6215



56.4814, 80.1716, 104.6349



18.3948, 18.1412, 20.6962



23.7177, 11.9764, 12.4298



2.3645, 1.1882, 1.5009



# Previews

## White Background



This preview shows how the XYZ color 51.0323, 29.5359, 40.0571 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

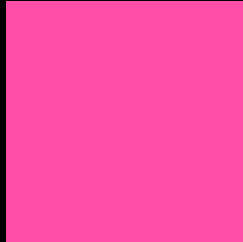
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.0323, 29.5359, 40.0571 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 51.0323, 29.5359, 40.0571**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.0323, 29.5359, 40.0571.



This preview shows how white text looks on a background with the XYZ color 51.0323, 29.5359,



# 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

51.0323, 29.5359, 40.0571

### Protanopia

31.0207, 29.8484, 67.7447

### Deuteranopia

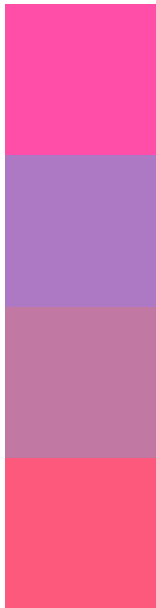
30.3318, 29.7188, 36.9385



## Tritanopia

45.8655, 29.4480, 15.5786

# Trichromacy



**Original Color**

51.0323, 29.5359, 40.0571

**Protanomaly**

34.1490, 26.5902, 56.1559

**Deuteranomaly**

35.2304, 27.3790, 37.6103

**Tritanomaly**

47.4189, 29.3209, 22.5623

# Monochromacy



**Original Color**

51.0323, 29.5359, 40.0571

**Achromatopsia**

25.3171, 26.6356, 29.0061

**Achromatomaly**

31.3558, 25.1363, 32.4773

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.0323, 29.5359, 40.0571 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, 78, 168)` looks like.

```
.text, #text, p{  
    color:rgb(255, 78, 168)  
}
```

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, 78, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 78, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 51.0323, 29.5359, 40.0571 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, 78, 168) }
```



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

```
.border{ border-color:rgb(255, 78, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 78, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 78, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 78, 168);  
box-shadow:4px 4px 4px 4px rgb(255, 78,  
168) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.0323, 29.5359, 40.0571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 78, 168) }
```

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

```
.background{ background-color: rgb(255, 78,  
168) }
```

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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