

# Converting Colors

XYZ(51.0395, 29.0978, 41.4545)

Have a look what the booklet for  
XYZ(51.0395, 29.0978, 41.4545)  
contains.

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# Color

**XYZ(51.0395, 29.0978,  
41.4544)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF4AAB
RGB	255, 74, 171
RGB Percent	100%, 29%, 67%
CMY	0.0000, 0.7098, 0.3294
CMYK	0.00, 0.71, 0.33, 0.00
HSL	328°, 100%, 65%
HSV	328°, 71%, 100%
XYZ	51.0395, 29.0978, 41.4544
YIQ	139.1770, 76.7390, 68.5390

# Conversions

## Conversions Part 2

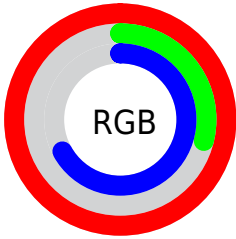
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 74, 171
Decimal	16730795
CIE <sub>Lab</sub>	60.87, 75.08, -12.42
CIE <sub>LCh</sub>	61, 76.099, 350.604
Yxy	29.0978, 0.4198, 0.2393
Android (android.graphics.Color)	4294920875 (0xFFFF4AAB)
YUV	139.1770, 15.6887, 101.5768
Hunter-Lab	53.9424, 74.4950, -7.8044

# Details

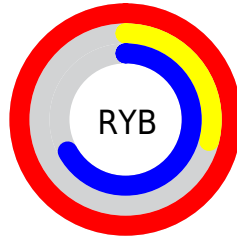
The XYZ color **51.0395, 29.0978, 41.4544** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **44.7573, 75.4453, 44.5559**, and the grayscale version is **24.5312, 25.8087, 28.1057**.

A 20% lighter version of the original color is **63.7716, 44.3593, 77.1526**, and **25.3221, 12.6694, 18.5636** is the 20% darker color. If you saturate the color by 10%, you get **48.5904, 25.9249, 35.3193**, and if you desaturate by 10%, it is **54.2805, 33.6928, 48.3524**.

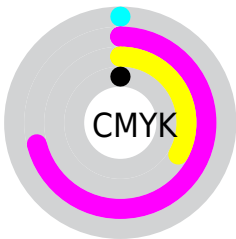
# Distribution



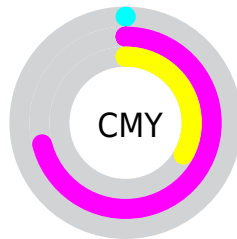
- Red (100%)
- Green (29%)
- Blue (67%)



- Red (100%)
- Yellow (29%)
- Blue (67%)



- Cyan (0%)
- Magenta (71%)
- Yellow (33%)
- Black (0%)




- Cyan (0%)
- Magenta (71%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0395, 29.0978, 41.4544 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 51.0395, 29.0978, 41.4544 by changing the saturation by 10% instead.





 51.0395, 29.0978,  
41.4544


 51.0395, 29.0978,  
41.4544


381.1024,  
297.6761, 367.9489


 36.4612, 19.1548,  
28.3519


 90.8958, 58.2324,  
78.6344


 24.9624, 11.7822,  
18.3498


 116.9045, 78.1929,  
103.5489

 16.1776, 6.5955,  
11.0294


 147.4541,  
102.2613, 133.2380

 9.7416, 3.2105,  
5.9722

 182.9099,  
130.8220, 168.1200

 5.2889, 1.2426,  
2.7596

223.6373,  
164.2594, 208.6136

 2.4542, 0.0961,  
0.9733

270.0016,

 0.8722, 0.0000,

202.9580, 255.1372

0.0000

322.3682,  
247.3021, 308.1095

■ 0.0000, 0.0000,  
0.0000

■ 51.0395, 29.0978,  
41.4544

■ 51.0395, 29.0978,  
41.4544

■ 48.5904, 25.9249,  
35.3193

■ 54.2805, 33.6928,  
48.3524

■ 46.8391, 23.9902,  
29.9019

■ 58.3881, 39.8552,  
56.0499

■ 45.7304, 23.0561,  
25.5759

■ 63.4301, 47.7169,  
64.5819

■ 69.4669, 57.3947,  
73.9802

■ 76.5534, 68.9949,  
84.2743

84.7405, 82.6155,  
95.4922

94.0756, 98.3479,  
107.6604

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.



45.1514, 29.0978, 80.4785



51.0395, 29.0978, 41.4544



49.6040, 29.0978, 16.0964

# Triad

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



51.0395, 29.0978, 41.4544



21.4780, 29.0978, 3.1349



17.2392, 29.0978, 95.3402

# Complementary

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



51.0395, 29.0978, 41.4544



44.7573, 75.4453, 44.5559

# 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.



13.3790, 29.0978, 55.0301



51.0395, 29.0978, 41.4544



15.3894, 29.0978, 8.1339

# Square

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



51.0395, 29.0978, 41.4544



30.8860, 29.0978, 2.5810



12.7942, 29.0978, 23.5814



24.6605, 29.0978, 121.7894



# Rectangle

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



51.0395, 29.0978, 41.4544



44.7946, 29.0978, 7.7833



12.7942, 29.0978, 23.5814



15.5646, 29.0978, 82.1294

# Sweetspot

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



51.0402, 29.0993, 41.4549



76.5352, 68.9648, 84.2487



34.1048, 19.1328, 96.5032



15.9399, 14.0336, 17.4049



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.



51.0402, 29.0993, 41.4549



47.8075, 25.0088, 33.0557



45.2532, 26.7845, 10.9806



18.4164, 18.1499, 20.8097



23.9714, 12.0778, 13.7655



2.3892, 1.1981, 1.6310



# Inverse Universe

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



51.0402, 29.0993, 41.4549



47.8075, 25.0088, 33.0557



55.2118, 79.6271, 99.6086



18.4164, 18.1499, 20.8097



23.9714, 12.0778, 13.7655



2.3892, 1.1981, 1.6310



# Previews

## White Background



This preview shows how the XYZ color 51.0395, 29.0978, 41.4544 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

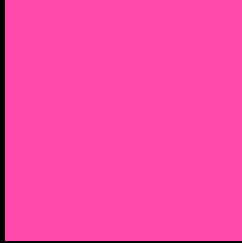
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.0395, 29.0978, 41.4544 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 51.0395, 29.0978, 41.4544

## Background



This preview shows how black text looks on a background with the XYZ color 51.0395, 29.0978, 41.4544.



This preview shows how white text looks on a background with the XYZ color 51.0395, 29.0978,

41.4544.

# 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

51.0395, 29.0978, 41.4544

### Protanopia

30.9288, 29.4831, 71.7708

### Deuteranopia

29.8616, 29.2221, 38.2490



## Tritanopia

45.5908, 29.0535, 15.0094

# Trichromacy



## Original Color

51.0395, 29.0978, 41.4544



## Protanomaly

33.8351, 26.0040, 59.1131



## Deuteranomaly

34.7558, 26.7498, 38.9287



## Tritanomaly

47.1743, 28.8317, 22.4807

# Monochromacy



## Original Color

51.0395, 29.0978, 41.4544



## Achromatopsia

24.5403, 25.8183, 28.1161



## Achromatomaly

30.7727, 24.3196, 32.3504

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.0395, 29.0978, 41.4544 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 74, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 74, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 51.0395, 29.0978, 41.4544 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, 171) }
```



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

```
.border{ border-color:rgb(255, 74, 171) }
```

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, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 74, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 74, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 74,  
171) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.0395, 29.0978, 41.4544 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, 171) }
```

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

```
.background{ background-color: rgb(255, 74,  
171) }
```

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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