

# Converting Colors

XYZ(50.3332, 29.0877, 36.8957)

Have a look what the booklet for  
XYZ(50.3332, 29.0877, 36.8957)  
contains.

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# Color

**XYZ(50.3269, 29.1410,  
36.6905)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | FF4DA1                     |
| RGB         | 255, 77, 161               |
| RGB Percent | 100%, 30%, 63%             |
| CMY         | 0.0000, 0.6980, 0.3686     |
| CMYK        | 0.00, 0.70, 0.37, 0.00     |
| HSL         | 332°, 100%, 65%            |
| HSV         | 332°, 70%, 100%            |
| XYZ         | 50.3269, 29.1410, 36.6905  |
| YIQ         | 139.7980, 79.1240, 63.8600 |

# Conversions

## Conversions Part 2

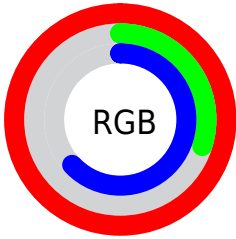
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 255, 77, 161                   |
| Decimal                             | 16731553                       |
| CIE Lab                             | 60.91, 73.01, -6.58            |
| CIE LCh                             | 61, 73.310, 354.851            |
| Yxy                                 | 29.1410, 0.4333,<br>0.2509     |
| Android<br>(android.graphics.Color) | 4294921633<br>(0xFFFF4DA1)     |
| YUV                                 | 139.7980, 10.4526,<br>101.0322 |
| Hunter-Lab                          | 53.9824, 71.9434,<br>-2.5103   |

# Details

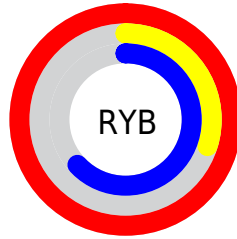
The XYZ color **50.3269, 29.1410, 36.6905** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **46.1732, 76.0389, 50.7769**, and the grayscale version is **24.7900, 26.0810, 28.4022**.

A 20% lighter version of the original color is **62.7231, 44.3948, 70.2289**, and **24.8068, 12.4632, 15.8500** is the 20% darker color. If you saturate the color by 10%, you get **47.7547, 25.7960, 30.2859**, and if you desaturate by 10%, it is **53.7274, 33.9378, 44.0028**.

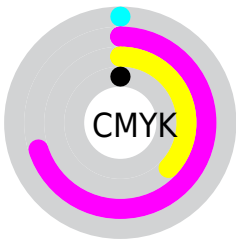
# Distribution



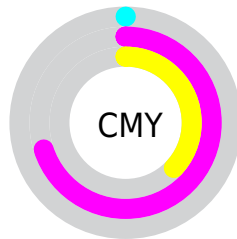
- Red (100%)
- Green (30%)
- Blue (63%)



- Red (100%)
- Yellow (30%)
- Blue (63%)



- Cyan (0%)
- Magenta (70%)
- Yellow (37%)
- Black (0%)




- Cyan (0%)
- Magenta (70%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.3269, 29.1410, 36.6905 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 50.3269, 29.1410, 36.6905 by changing the saturation by 10% instead.





 50.3269, 29.1410,  
36.6905


 50.3269, 29.1410,  
36.6905

378.3738,  
297.8797, 347.0969


 35.8921, 19.1875,  
24.6740


 89.8480, 58.3010,  
71.2775


 24.5206, 11.8058,  
15.6176


 115.6649, 78.2764,  
94.6852

 15.8471, 6.6116,  
9.1025


 146.0066,  
102.3611, 122.7269

 9.5061, 3.2204,  
4.7104

 181.2384,  
130.9396, 155.8214

 5.1325, 1.2479,  
2.0226

221.7257,  
164.3964, 194.3871

 2.3608, 0.1003,  
0.5691

267.8338,

 0.8255, 0.0000,

203.1157, 238.8425

0.0000

319.9280,  
247.4820, 289.6063

■ 0.0000, 0.0000,  
0.0000

■ 50.3269, 29.1410,  
36.6905

■ 50.3269, 29.1410,  
36.6905

■ 47.7547, 25.7960,  
30.2859

■ 53.7274, 33.9378,  
44.0028

■ 45.9173, 23.7224,  
24.7373

■ 58.0307, 40.3294,  
52.2659

■ 44.6722, 22.6418,  
19.9764

■ 63.3051, 48.4462,  
61.5210

■ 44.6502, 22.6241,  
19.8878

■ 69.6113, 58.4043,  
71.8059

■ 77.0049, 70.3094,  
83.1560

85.5374, 84.2590,  
95.6047

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.



45.6040, 29.1410, 72.6942



50.3269, 29.1410, 36.6905



47.9422, 29.1410, 14.3529

# Triad

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



50.3269, 29.1410, 36.6905



20.6703, 29.1410, 3.9263



18.4082, 29.1410, 97.1465

# Complementary

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



50.3269, 29.1410, 36.6905



46.1732, 76.0389, 50.7769

# 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.



14.1454, 29.1410, 59.3848



50.3269, 29.1410, 36.6905



15.2254, 29.1410, 10.0522

# Square

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



50.3269, 29.1410, 36.6905



29.3796, 29.1410, 2.8788



13.1308, 29.1410, 27.2373



26.0811, 29.1410, 118.3059



# Rectangle

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



50.3269, 29.1410, 36.6905



42.8745, 29.1410, 7.2044



13.1308, 29.1410, 27.2373



16.6058, 29.1410, 85.2010

# Sweetspot

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



50.3277, 29.1426, 36.6910



76.0581, 68.7740, 81.7360



37.0609, 20.9613, 96.7003



15.8267, 13.9883, 16.8086



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.



50.3277, 29.1426, 36.6910



46.8993, 24.7814, 27.8540



45.4470, 27.5301, 9.9418



18.3662, 18.1298, 20.5456



23.4048, 11.8512, 10.7820



2.3335, 1.1758, 1.3378



# Inverse Universe

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



50.3277, 29.1426, 36.6910



46.8993, 24.7814, 27.8540



55.9324, 78.4401, 106.8002



18.3662, 18.1298, 20.5456



23.4048, 11.8512, 10.7820



2.3335, 1.1758, 1.3378



# Previews

## White Background



This preview shows how the XYZ color 50.3269, 29.1410, 36.6905 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

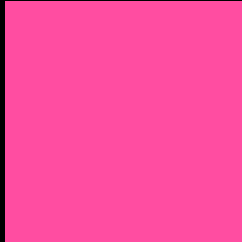
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 50.3269, 29.1410, 36.6905 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 50.3269, 29.1410, 36.6905**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.3269, 29.1410, 36.6905.



This preview shows how white text looks on a background with the XYZ color 50.3269, 29.1410,



# 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

50.3269, 29.1410, 36.6905

### Protanopia

30.3192, 29.3742, 62.4643

### Deuteranopia

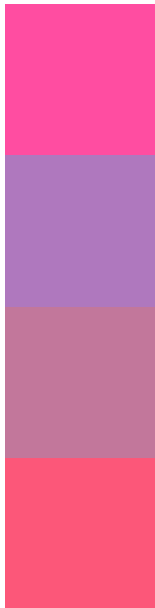
29.7880, 29.2828, 33.7879



## Tritanopia

45.9026, 29.2198, 14.7759

# Trichromacy



## Original Color

50.3269, 29.1410, 36.6905

## Protanomaly

33.6899, 26.2646, 52.0091

## Deuteranomaly

34.7614, 27.0295, 34.3954

## Tritanomaly

47.0043, 28.8923, 21.1885

# Monochromacy



## Original Color

50.3269, 29.1410, 36.6905

## Achromatopsia

24.9269, 26.2251, 28.5591

## Achromatomaly

30.9980, 24.8058, 31.1712

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.3269, 29.1410, 36.6905 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, 77, 161)` looks like.

```
.text, #text, p{  
    color:rgb(255, 77, 161)  
}
```

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, 77, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 77, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 50.3269, 29.1410, 36.6905 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, 77, 161) }
```



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

```
.border{ border-color:rgb(255, 77, 161) }
```

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

Here you see how a box with a 4 pixel rgb(255, 77, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 77, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 77, 161);  
box-shadow:4px 4px 4px 4px rgb(255, 77,  
161) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.3269, 29.1410, 36.6905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 77, 161) }
```

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

```
.background{ background-color: rgb(255, 77,  
161) }
```

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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