

# Converting Colors

XYZ(49.1950, 26.8515, 36.3923)

Have a look what the booklet for  
XYZ(49.1950, 26.8515, 36.3923)  
contains.

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# Color

**XYZ(49.1861, 26.8593,  
36.3102)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF3AA1
RGB	255, 58, 161
RGB Percent	100%, 23%, 63%
CMY	0.0000, 0.7725, 0.3686
CMYK	0.00, 0.77, 0.37, 0.00
HSL	329°, 100%, 61%
HSV	329°, 77%, 100%
XYZ	49.1861, 26.8593, 36.3102
YIQ	128.6450, 84.3490, 73.7970

# Conversions

## Conversions Part 2

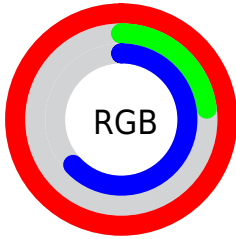
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 58, 161
Decimal	16726689
CIE Lab	58.84, 78.82, -9.65
CIE LCh	59, 79.411, 353.019
Yxy	26.8593, 0.4378, 0.2391
Android (android.graphics.Color)	4294916769 (0xFFFF3AA1)
YUV	128.6450, 15.9510, 110.8133
Hunter-Lab	51.8260, 78.7123, -5.2615

# Details

The XYZ color **49.1861, 26.8593, 36.3102** 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 **43.1744, 74.6874, 41.8522**, and the grayscale version is **20.6699, 21.7463, 23.6817**.

A 20% lighter version of the original color is **60.8423, 40.6332, 69.6020**, and **24.8068, 12.4632, 15.8500** is the 20% darker color. If you saturate the color by 10%, you get **47.1819, 24.4855, 30.6030**, and if you desaturate by 10%, it is **51.9319, 30.5492, 42.7803**.

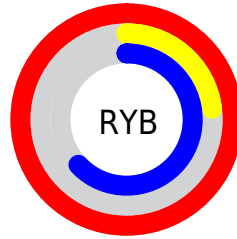
# Distribution



Red (100%)

Green (23%)

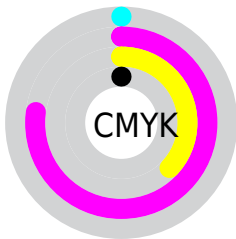
Blue (63%)



Red (100%)

Yellow (23%)

Blue (63%)

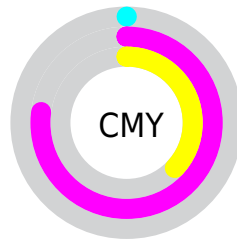


Cyan (0%)

Magenta (77%)

Yellow (37%)

Black (0%)



Cyan (0%)

Magenta (77%)


Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1861, 26.8593, 36.3102 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 49.1861, 26.8593, 36.3102 by changing the saturation by 10% instead.





 49.1861, 26.8593,  
36.3102


 49.1861, 26.8593,  
36.3102

373.9793,  
286.9752, 345.3927

 34.9823, 17.4676,  
24.3823


 88.1669, 54.6580,  
70.6850


 23.8157, 10.5684,  
15.4026

 113.6745, 73.8338,  
93.9690


 15.3209, 5.7774,  
8.9527


 143.6808, 97.0397,  
121.8754

 9.1327, 2.7102,  
4.6139

 178.5510,  
124.6602, 154.8227

 4.8857, 0.9824,  
1.9678

 218.6507,  
157.0795, 193.2296

 2.2144, 0.0000,  
0.5354

264.3450,

 0.7503, 0.0000,

194.6823, 237.5145

0.0000

315.9995,  
237.8527, 288.0960

■ 0.0000, 0.0000,  
0.0000

■ 49.1861, 26.8593,  
36.3102

■ 49.1861, 26.8593,  
36.3102

■ 47.1819, 24.4855,  
30.6030

■ 51.9319, 30.5492,  
42.7803

■ 45.8074, 23.2088,  
25.6061

■ 55.5027, 35.7173,  
50.0546

■ 45.4956, 22.9622,  
24.3395

■ 59.9724, 42.5071,  
58.1713

■ 65.4055, 51.0434,  
67.1650

■ 71.8604, 61.4389,  
77.0678

79.3906, 73.7967,  
87.9096

88.0457, 88.2122,  
99.7188

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.



43.7445, 26.8593, 75.2307



49.1861, 26.8593, 36.3102



47.1081, 26.8593, 12.8054

# Triad

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



49.1861, 26.8593, 36.3102



18.8438, 26.8593, 2.3842



15.7847, 26.8593, 97.0535

# Complementary

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



49.1861, 26.8593, 36.3102



43.1744, 74.6874, 41.8522

# 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.



11.8119, 26.8593, 55.8465



49.1861, 26.8593, 36.3102



13.2362, 26.8593, 7.3061

# Square

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



49.1861, 26.8593, 36.3102



27.8894, 26.8593, 1.7237



11.0160, 26.8593, 23.1618



23.3056, 26.8593, 122.2376



# Rectangle

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



49.1861, 26.8593, 36.3102



41.9419, 26.8593, 5.7106



11.0160, 26.8593, 23.1618



14.0773, 26.8593, 83.7106

# Sweetspot

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



49.1868, 26.8608, 36.3106



74.9259, 66.4447, 81.5584



32.1306, 16.7260, 96.1427



15.4767, 13.3061, 16.6374



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.



49.1868, 26.8608, 36.3106



46.3240, 23.6358, 27.6467



43.6958, 24.6643, 7.3952



18.4061, 18.1457, 20.7555



23.8484, 12.0287, 13.1182



2.3773, 1.1933, 1.5682



# Inverse Universe

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



49.1868, 26.8608, 36.3106



46.3240, 23.6358, 27.6467



54.5164, 79.2242, 101.5787



18.4061, 18.1457, 20.7555



23.8484, 12.0287, 13.1182



2.3773, 1.1933, 1.5682



# Previews

## White Background



This preview shows how the XYZ color 49.1861, 26.8593, 36.3102 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

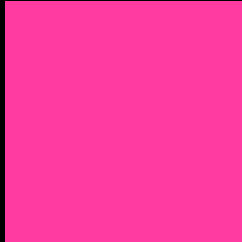
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.1861, 26.8593, 36.3102 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

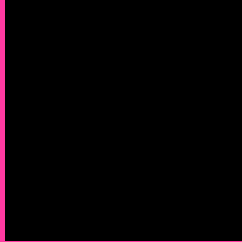
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 49.1861, 26.8593, 36.3102**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.1861, 26.8593, 36.3102.



This preview shows how white text looks on a background with the XYZ color 49.1861, 26.8593,



# 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

49.1861, 26.8593, 36.3102

### Protanopia

28.5686, 27.0164, 67.9989

### Deuteranopia

27.4369, 26.9906, 33.0418



## Tritanopia

44.0065, 26.8647, 11.4603

# Trichromacy



## Original Color

49.1861, 26.8593, 36.3102



## Protanomaly

31.1521, 23.1990, 54.4657



## Deuteranomaly

32.3713, 24.1227, 33.9603



## Tritanomaly

45.5081, 26.6528, 18.3687

# Monochromacy



## Original Color

49.1861, 26.8593, 36.3102



## Achromatopsia

20.8660, 21.9526, 23.9064



## Achromatomaly

27.3372, 20.7375, 27.7612

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.1861, 26.8593, 36.3102 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, 58, 161)` looks like.

```
.text, #text, p{  
    color:rgb(255, 58, 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, 58, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 58, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 49.1861, 26.8593, 36.3102 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, 58, 161) }
```



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

```
.border{ border-color:rgb(255, 58, 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, 58, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 58, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 58, 161);  
box-shadow:4px 4px 4px 4px rgb(255, 58,  
161) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.1861, 26.8593, 36.3102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 58, 161) }
```

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

```
.background{ background-color: rgb(255, 58,  
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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