

# Converting Colors

XYZ(49.0582, 30.5410, 31.8047)

Have a look what the booklet for  
XYZ(49.0582, 30.5410, 31.8047)  
contains.

<b>XYZ(49.2112, 30.6846, 31.7628)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(49.2112, 30.6846,  
31.7628)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FB5E95
RGB	251, 94, 149
RGB Percent	98%, 37%, 58%
CMY	0.0157, 0.6313, 0.4157
CMYK	0.00, 0.63, 0.41, 0.02
HSL	339°, 95%, 68%
HSV	339°, 63%, 98%
XYZ	49.2112, 30.6846, 31.7628
YIQ	147.2130, 75.9170, 50.3890

# Conversions

## Conversions Part 2

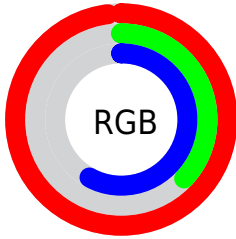
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	251, 94, 149
Decimal	16473749
CIE Lab	62.24, 64.25, 2.25
CIE LCh	62, 64.290, 2.010
Yxy	30.6846, 0.4407, 0.2748
Android (android.graphics.Color)	4294663829 (0xFFFB5E95)
YUV	147.2130, 0.8810, 91.0212
Hunter-Lab	55.3937, 61.6387, 4.7786

# Details

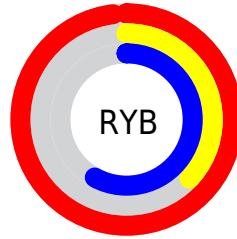
The XYZ color **49.2112, 30.6846, 31.7628** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **49.0790, 75.3604, 64.1890**, and the grayscale version is **27.7972, 29.2448, 31.8476**.

A 20% lighter version of the original color is **63.0861, 47.7050, 62.3829**, and **23.9026, 12.6785, 12.9918** is the 20% darker color. If you saturate the color by 10%, you get **46.1186, 26.4393, 24.7518**, and if you desaturate by 10%, it is **53.2131, 36.4568, 39.9770**.

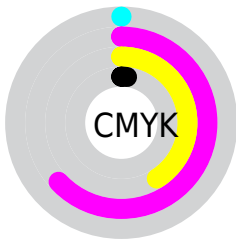
# Distribution



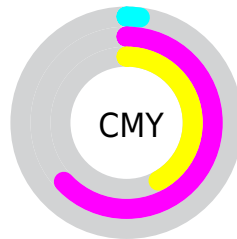
- Red (98%)
- Green (37%)
- Blue (58%)



- Red (98%)
- Yellow (37%)
- Blue (58%)



- Cyan (0%)
- Magenta (63%)
- Yellow (41%)
- Black (2%)



- Cyan (2%)
- Magenta (63%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2112, 30.6846, 31.7628 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 49.2112, 30.6846, 31.7628 by changing the saturation by 10% instead.





 49.2112, 30.6846,  
31.7628


 49.2112, 30.6846,  
31.7628


374.0764,  
305.0826, 324.4967


 35.0023, 20.3588,  
20.9171


 88.2039, 60.7432,  
63.5326


 23.8311, 12.6561,  
12.8727


 113.7184, 81.2447,  
85.2938

 15.3325, 7.1922,  
7.2113


 143.7321,  
105.9070, 111.5306

 9.1409, 3.5826,  
3.5141

 178.6103,  
135.1143, 142.6614

 4.8910, 1.4429,  
1.3628

218.7185,  
169.2512, 179.1049

 2.2176, 0.2480,  
0.1124

264.4220,

 0.7520, 0.0000,

208.7019, 221.2796

0.0000

316.0862,  
253.8509, 269.6040

■ 0.0000, 0.0000,  
0.0000

■ 49.2112, 30.6846,  
31.7628

■ 49.2112, 30.6846,  
31.7628

■ 46.1186, 26.4393,  
24.7518

■ 53.2131, 36.4568,  
39.9770

■ 43.8520, 23.5663,  
18.8781

■ 58.1925, 43.8808,  
49.4512

■ 42.3156, 21.8868,  
14.0705

■ 64.2135, 53.0741,  
60.2402

■ 41.5418, 21.2125,  
11.1203

■ 71.3339, 64.1422,  
72.3949

■ 79.6071, 77.1820,  
85.9630

89.0830, 92.2839,  
100.9901

93.5936, 99.2492,  
108.8318

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.5115, 30.6846, 61.2170



49.2112, 30.6846, 31.7628



45.7175, 30.6846, 13.9478

# Triad

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



49.2112, 30.6846, 31.7628



21.1870, 30.6846, 7.0690



22.0163, 30.6846, 95.8323

# Complementary

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



49.2112, 30.6846, 31.7628



49.0790, 75.3604, 64.1890

# 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.



17.1845, 30.6846, 65.6657



49.2112, 30.6846, 31.7628



16.7767, 30.6846, 15.6323

# Square

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



49.2112, 30.6846, 31.7628



28.5837, 30.6846, 4.7991



15.4698, 30.6846, 35.1138



29.7537, 30.6846, 107.4965



# Rectangle

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



49.2112, 30.6846, 31.7628



40.6831, 30.6846, 8.1333



15.4698, 30.6846, 35.1138



20.0558, 30.6846, 86.9680

# Sweetspot

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



49.2120, 30.6862, 31.7633



76.8336, 71.0238, 79.8405



43.5199, 26.3671, 94.0623



15.9418, 14.4109, 16.2538



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.



49.2120, 30.6862, 31.7633



47.1386, 26.5304, 24.0175



47.9285, 33.5657, 14.5446



17.4957, 17.3256, 19.1999



21.8982, 11.1750, 6.1723



2.0763, 1.0542, 0.8250



# Inverse Universe

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



49.2120, 30.6862, 31.7633



47.1386, 26.5304, 24.0175



50.3453, 65.9766, 101.3480



17.4957, 17.3256, 19.1999



21.8982, 11.1750, 6.1723



2.0763, 1.0542, 0.8250



# Previews

## White Background



This preview shows how the XYZ color 49.2112, 30.6846, 31.7628 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

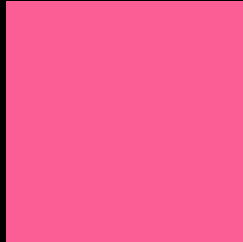
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.2112, 30.6846, 31.7628 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 ✓ Pass

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

**XYZ 49.2112, 30.6846, 31.7628**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.2112, 30.6846, 31.7628.



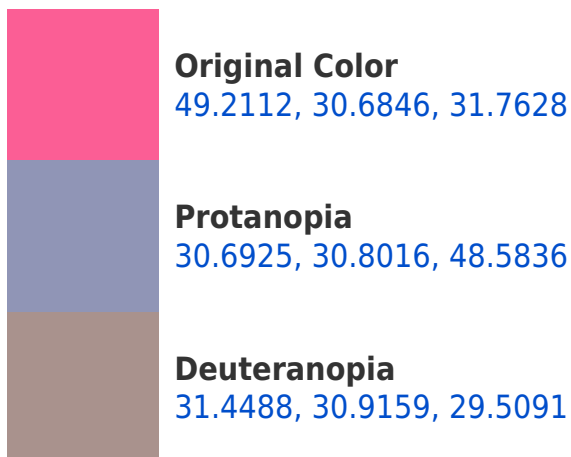
This preview shows how white text looks on a background with the XYZ color 49.2112, 30.6846,

31.7628.

# 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

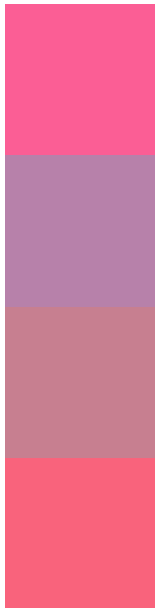




## Tritanopia

46.2231, 30.5633, 17.9311

# Trichromacy



## Original Color

49.2112, 30.6846, 31.7628

## Protanomaly

34.6344, 28.6701, 41.7387

## Deuteranomaly

36.1766, 29.3345, 30.1410

## Tritanomaly

47.1669, 30.5187, 22.4735

# Monochromacy



## Original Color

49.2112, 30.6846, 31.7628

## Achromatopsia

27.7328, 29.1771, 31.7738

## Achromatomaly

33.0721, 27.8907, 31.6573

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.2112, 30.6846, 31.7628 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(251, 94, 149)` looks like.

```
.text, #text, p{  
    color:rgb(251, 94, 149)  
}
```

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(251, 94, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 94, 149) }
```

## Border

The CSS property to change the border of an element to XYZ 49.2112, 30.6846, 31.7628 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(251, 94, 149) }
```



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

```
.border{ border-color:rgb(251, 94, 149) }
```

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

Here you see how a box with a 4 pixel rgb(251, 94, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 94, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 94, 149);  
box-shadow:4px 4px 4px 4px rgb(251, 94,  
149) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.2112, 30.6846, 31.7628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 94, 149) }
```

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

```
.background{ background-color: rgb(251, 94,  
149) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor