

Converting Colors

XYZ(80.2808, 43.8769, 37.8630)

Have a look what the booklet for
XYZ(80.2808, 43.8769, 37.8630)
contains.

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Color

**XYZ(49.8632, 28.2135,
36.5359)**

Conversions

Conversions Part 1

Format	Color
Hex	FF46A1
RGB	255, 70, 161
RGB Percent	100%, 27%, 63%
CMY	0.0000, 0.7254, 0.3686
CMYK	0.00, 0.73, 0.37, 0.00
HSL	330°, 100%, 64%
HSV	330°, 73%, 100%
XYZ	49.8632, 28.2135, 36.5359
YIQ	135.6890, 81.0490, 67.5210

Conversions

Conversions Part 2

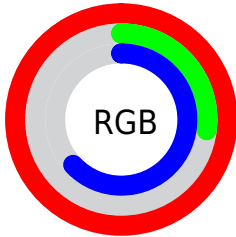
Format	Color
R_{YB}	255, 70, 161
Decimal	16729761
CIE Lab	60.08, 75.32, -7.80
CIE LCh	60, 75.726, 354.084
Yxy	28.2135, 0.4351, 0.2462
Android (android.graphics.Color)	4294919841 (0xFFFF46A1)
YUV	135.6890, 12.4783, 104.6357
Hunter-Lab	53.1164, 74.6139, -3.6009

Details

The XYZ color **49.8632, 28.2135, 36.5359** 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 **44.9885, 75.5033, 47.3297**, and the grayscale version is **23.2210, 24.4303, 26.6046**.

A 20% lighter version of the original color is **61.8859, 42.7204, 69.9499**, and **24.8068, 12.4632, 15.8500** is the 20% darker color. If you saturate the color by 10%, you get **47.5086, 25.2392, 30.4025**, and if you desaturate by 10%, it is **53.0144, 32.5913, 43.5195**.

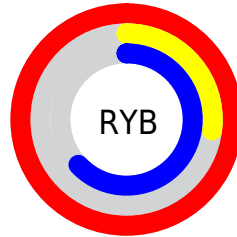
Distribution



Red (100%)

Green (27%)

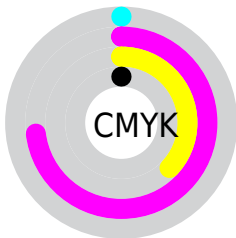
Blue (63%)



Red (100%)

Yellow (27%)

Blue (63%)

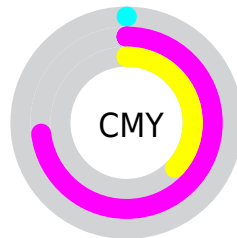


Cyan (0%)

Magenta (73%)

Yellow (37%)

Black (0%)



Cyan (0%)


Magenta (73%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8632, 28.2135, 36.5359 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 49.8632, 28.2135, 36.5359 by changing the saturation by 10% instead.


 49.8632, 28.2135,
36.5359

 49.8632, 28.2135,
36.5359

376.5916,
293.4857, 346.4048


 35.5221, 18.4867,
24.5554


 89.1652, 56.8251,
71.0367


 24.2337, 11.2999,
15.5301


 114.8568, 76.4787,
94.3942


 15.6327, 6.2690,
9.0415


 145.0625,
100.2100, 122.3810

 9.3538, 3.0093,
4.6711

 180.1478,
128.4033, 155.4157

 5.0316, 1.1366,
2.0003

 220.4780,
161.4432, 193.9170

 2.3008, 0.0090,
0.5554

266.4185,

 0.7951, 0.0000,

199.7140, 238.3032

0.0000

318.3345,
243.6000, 288.9930

■ 0.0000, 0.0000,
0.0000

■ 49.8632, 28.2135,
36.5359

■ 49.8632, 28.2135,
36.5359

■ 47.5086, 25.2392,
30.4025

■ 53.0144, 32.5913,
43.5195

■ 45.8523, 23.4778,
25.0682


■ 57.0394, 38.5219,
51.3955


■ 44.9689, 22.7516,
21.5660

■ 62.0085, 46.1401,
60.2036

■ 67.9835, 55.5650,
69.9801

■ 75.0211, 66.9047,
80.7590

 83.1732, 80.2586,
92.5722

 92.4886, 95.7194,
105.4500

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.



44.8502, 28.2135, 73.6897



49.8632, 28.2135, 36.5359



47.6025, 28.2135, 13.7218

Triad

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



49.8632, 28.2135, 36.5359



19.9272, 28.2135, 3.2501



17.3284, 28.2135, 97.0926

Complementary

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



49.8632, 28.2135, 36.5359



44.9885, 75.5033, 47.3297

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.



13.1805, 28.2135, 57.9470



49.8632, 28.2135, 36.5359



14.4093, 28.2135, 8.8866

Square

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



49.8632, 28.2135, 36.5359



28.7767, 28.2135, 2.3712



12.2573, 28.2135, 25.5560



24.9466, 28.2135, 119.8432

Rectangle

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



49.8632, 28.2135, 36.5359



42.4960, 28.2135, 6.5815



12.2573, 28.2135, 25.5560



15.5630, 28.2135, 84.5900

Sweetspot

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



49.8640, 28.2150, 36.5364



75.4357, 67.5790, 81.3752



35.2442, 19.3363, 96.4824



15.7112, 13.7584, 16.7672



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.



49.8640, 28.2150, 36.5364



46.6908, 24.3172, 27.9303



44.5368, 26.0841, 8.4837



18.3818, 18.1360, 20.6278



23.5723, 11.9182, 11.6639



2.3502, 1.1824, 1.4254

Inverse Universe

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



49.8640, 28.2150, 36.5364



46.6908, 24.3172, 27.9303



56.3366, 80.0425, 107.0882



18.3818, 18.1360, 20.6278



23.5723, 11.9182, 11.6639



2.3502, 1.1824, 1.4254

Previews

White Background



This preview shows how the XYZ color 49.8632, 28.2135, 36.5359 looks on a white background.

Color Contrast Check

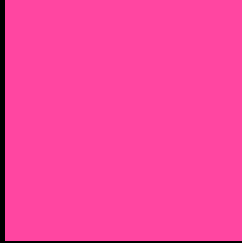
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.8632, 28.2135, 36.5359 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 49.8632, 28.2135, 36.5359

Background



This preview shows how black text looks on a background with the XYZ color 49.8632, 28.2135, 36.5359.



This preview shows how white text looks on a background with the XYZ color 49.8632, 28.2135,

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

49.8632, 28.2135, 36.5359

Protanopia

29.6433, 28.5335, 64.2667

Deuteranopia

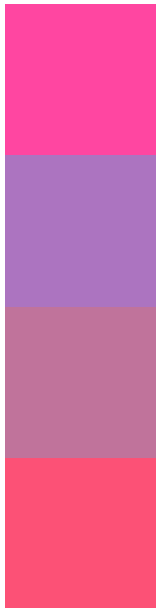
28.9027, 28.3847, 33.6612



Tritanopia

44.8898, 28.0938, 13.4126

Trichromacy



Original Color

49.8632, 28.2135, 36.5359

Protanomaly

32.7731, 25.0672, 52.9803

Deuteranomaly

33.7854, 25.8345, 34.2162

Tritanomaly

46.3573, 27.8883, 20.0792

Monochromacy



Original Color

49.8632, 28.2135, 36.5359

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

29.4954, 23.2164, 29.7147

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8632, 28.2135, 36.5359 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, 70, 161)` looks like.

```
.text, #text, p{  
    color:rgb(255, 70, 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, 70, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 70, 161) }
```

Border

The CSS property to change the border of an element to XYZ 49.8632, 28.2135, 36.5359 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, 70, 161) }
```


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

```
.border{ border-color:rgb(255, 70, 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, 70, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 70, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 70, 161);  
box-shadow:4px 4px 4px 4px rgb(255, 70,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8632, 28.2135, 36.5359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 70, 161) }
```

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

```
.background{ background-color: rgb(255, 70,  
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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