

Converting Colors

XYZ(118.5742, 63.7336,
36.8339)

Have a look what the booklet for
XYZ(118.5742, 63.7336, 36.8339)
contains.

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Color

**XYZ(49.2629, 27.9734,
33.3748)**

Conversions

Conversions Part 1

Format	Color
Hex	FF469A
RGB	255, 70, 154
RGB Percent	100%, 27%, 60%
CMY	0.0000, 0.7254, 0.3961
CMYK	0.00, 0.73, 0.40, 0.00
HSL	333°, 100%, 64%
HSV	333°, 73%, 100%
XYZ	49.2629, 27.9734, 33.3748
YIQ	134.8910, 83.2960, 65.3440

Conversions

Conversions Part 2

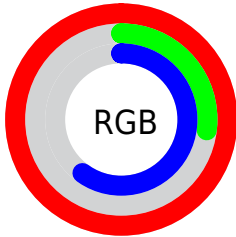
Format	Color
R_{YB}	255, 70, 154
Decimal	16729754
CIE _{Lab}	59.86, 74.63, -4.05
CIE _{LCh}	60, 74.741, 356.895
Yxy	27.9734, 0.4454, 0.2529
Android (android.graphics.Color)	4294919834 (0xFFFF469A)
YUV	134.8910, 9.4207, 105.3356
Hunter-Lab	52.8899, 73.7019, -0.3905

Details

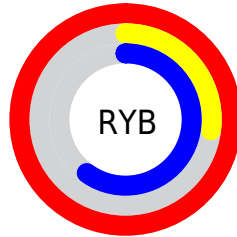
The XYZ color **49.2629, 27.9734, 33.3748** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **45.6385, 75.7632, 50.7523**, and the grayscale version is **22.9352, 24.1296, 26.2771**.

A 20% lighter version of the original color is **60.8764, 42.3166, 64.6339**, and **24.4405, 12.3167, 13.9212** is the 20% darker color. If you saturate the color by 10%, you get **46.8992, 24.9955, 27.1939**, and if you desaturate by 10%, it is **52.4392, 32.3613, 40.4907**.

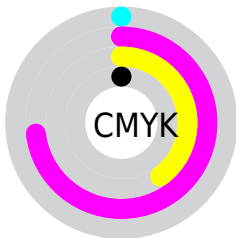
Distribution



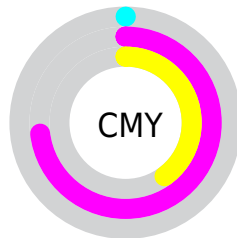
- Red (100%)
- Green (27%)
- Blue (60%)



- Red (100%)
- Yellow (27%)
- Blue (60%)



- Cyan (0%)
- Magenta (73%)
- Yellow (40%)
- Black (0%)





- Cyan (0%)
- Magenta (73%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2629, 27.9734, 33.3748 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 49.2629, 27.9734, 33.3748 by changing the saturation by 10% instead.


 49.2629, 27.9734,
33.3748


 49.2629, 27.9734,
33.3748

374.2762,
292.3398, 332.0189

 35.0435, 18.3056,
22.1403


 88.2802, 56.4420,
66.0830


 23.8630, 11.1696,
13.7607


 113.8087, 76.0115,
88.3937


 15.3562, 6.1810,
7.8176


 143.8377, 99.6505,
115.2336

 9.1577, 2.9555,
3.8923

 178.7324,
127.7432, 147.0211

 4.9021, 1.1085,
1.5665

 218.8583,
160.6741, 184.1749

 2.2241, 0.0000,
0.2667

264.5806,

 0.7554, 0.0000,

198.8276, 227.1134

0.0000

316.2648,
242.5880, 276.2552

■ 0.0000, 0.0000,
0.0000

■ 49.2629, 27.9734,
33.3748

■ 49.2629, 27.9734,
33.3748

■ 46.8992, 24.9955,
27.1939

■ 52.4392, 32.3613,
40.4907

■ 45.2490, 23.2365,
21.8915

■ 56.5064, 38.3087,
48.5884

■ 44.3793, 22.5157,
18.4615

■ 61.5354, 45.9510,
57.7123

■ 67.5891, 55.4074,
67.9031

■ 74.7248, 66.7863,
79.1986

82.9953, 80.1876,
91.6348

92.4499, 95.7041,
105.2457

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.



44.9700, 27.9734, 68.8009



49.2629, 27.9734, 33.3748



46.3864, 27.9734, 12.4186

Triad

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



49.2629, 27.9734, 33.3748



19.1642, 27.9734, 3.5921



17.8219, 27.9734, 98.4698

Complementary

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



49.2629, 27.9734, 33.3748



45.6385, 75.7632, 50.7523

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.



13.4179, 27.9734, 60.7078



49.2629, 27.9734, 33.3748



14.0536, 27.9734, 9.9153

Square

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



49.2629, 27.9734, 33.3748



27.5876, 27.9734, 2.4121



12.2223, 27.9734, 27.7168



25.6126, 27.9734, 117.9983

Rectangle

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



49.2629, 27.9734, 33.3748



41.0928, 27.9734, 6.0297



12.2223, 27.9734, 27.7168



15.9744, 27.9734, 86.6934

Sweetspot

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



49.2637, 27.9749, 33.3753



75.1453, 67.4628, 79.8458



36.5329, 20.0007, 96.5427



15.6429, 13.7311, 16.4073



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.



49.2637, 27.9749, 33.3753



46.0824, 24.0738, 24.7263



44.9426, 26.8958, 8.6190



18.3523, 18.1242, 20.4723



23.2622, 11.7942, 10.0312



2.3192, 1.1701, 1.2624

Inverse Universe

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



49.2637, 27.9749, 33.3753



46.0824, 24.0738, 24.7263



54.4010, 76.1711, 106.4430



18.3523, 18.1242, 20.4723



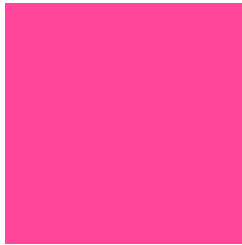
23.2622, 11.7942, 10.0312



2.3192, 1.1701, 1.2624

Previews

White Background



This preview shows how the XYZ color 49.2629, 27.9734, 33.3748 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 49.2629, 27.9734, 33.3748 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 49.2629, 27.9734, 33.3748

Background



This preview shows how black text looks on a background with the XYZ color 49.2629, 27.9734, 33.3748.



This preview shows how white text looks on a background with the XYZ color 49.2629, 27.9734,

33.3748.

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

49.2629, 27.9734, 33.3748

Protanopia

29.0002, 28.3271, 58.5828

Deuteranopia

28.5895, 28.0696, 30.6992



Tritanopia

44.9998, 27.9201, 12.9149

Trichromacy



Original Color

49.2629, 27.9734, 33.3748



Protanomaly

32.2482, 24.9084, 47.9079



Deuteranomaly

33.4683, 25.7370, 31.2207



Tritanomaly

46.0508, 27.6477, 18.8290

Monochromacy



Original Color

49.2629, 27.9734, 33.3748



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

29.1573, 22.9056, 28.4756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2629, 27.9734, 33.3748 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, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 70, 154)  
}
```

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, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 70, 154) }
```

Border

The CSS property to change the border of an element to XYZ 49.2629, 27.9734, 33.3748 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, 154) }
```


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

```
.border{ border-color:rgb(255, 70, 154) }
```

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, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 70, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 70, 154);  
box-shadow:4px 4px 4px 4px rgb(255, 70,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2629, 27.9734, 33.3748 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, 154) }
```

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

```
.background{ background-color: rgb(255, 70,  
154) }
```

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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