

Converting Colors

XYZ(86.8498, 47.3320, 34.4509)

Have a look what the booklet for
XYZ(86.8498, 47.3320, 34.4509)
contains.

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Color

**XYZ(49.0977, 27.9073,
32.5047)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4698
RGB	255, 70, 152
RGB Percent	100%, 27%, 60%
CMY	0.0000, 0.7254, 0.4039
CMYK	0.00, 0.73, 0.40, 0.00
HSL	333°, 100%, 64%
HSV	333°, 73%, 100%
XYZ	49.0977, 27.9073, 32.5047
YIQ	134.6630, 83.9380, 64.7220

Conversions

Conversions Part 2

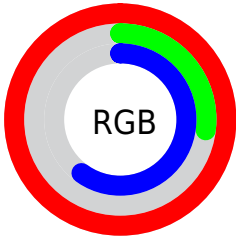
Format	Color
R_{YB}	255, 70, 152
Decimal	16729752
CIE _{Lab}	59.80, 74.44, -2.97
CIE _{LCh}	60, 74.499, 357.716
Yxy	27.9073, 0.4483, 0.2548
Android (android.graphics.Color)	4294919832 (0xFFFF4698)
YUV	134.6630, 8.5471, 105.5355
Hunter-Lab	52.8274, 73.4499, 0.4980

Details

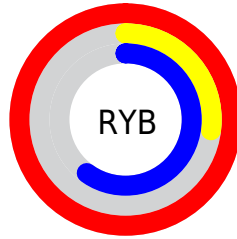
The XYZ color **49.0977, 27.9073, 32.5047** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **45.8306, 75.8401, 51.7640**, and the grayscale version is **22.8538, 24.0440, 26.1839**.

A 20% lighter version of the original color is **60.6318, 42.2188, 63.3459**, and **24.3413, 12.2770, 13.3987** is the 20% darker color. If you saturate the color by 10%, you get **46.7330, 24.9290, 26.3185**, and if you desaturate by 10%, it is **52.2797, 32.2974, 39.6506**.

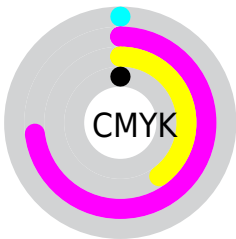
Distribution



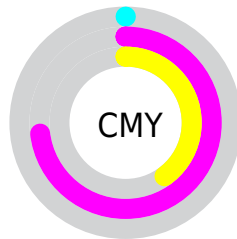
- Red (100%)
- Green (27%)
- Blue (60%)



- 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 49.0977, 27.9073, 32.5047 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 49.0977, 27.9073, 32.5047 by changing the saturation by 10% instead.


 49.0977, 27.9073,
32.5047


 49.0977, 27.9073,
32.5047


373.6374,
292.0237, 327.9752


 34.9118, 18.2558,
21.4793


 88.0364, 56.3364,
64.7085


 23.7612, 11.1338,
13.2801


 113.5199, 75.8828,
86.7240


 15.2803, 6.1569,
7.4887


 143.5001, 99.4963,
113.2400

 9.1040, 2.9407,
3.6865

 178.3422,
127.5612, 144.6749

 4.8667, 1.1009,
1.4550

 218.4116,
160.4620, 181.4474

 2.2032, 0.0000,
0.1841

264.0737,

 0.7444, 0.0000,

198.5831, 223.9759

0.0000

315.6939,
242.3089, 272.6790

■ 0.0000, 0.0000,
0.0000

■ 49.0977, 27.9073,
32.5047

■ 49.0977, 27.9073,
32.5047

■ 46.7330, 24.9290,
26.3185

■ 52.2797, 32.2974,
39.6506

■ 45.0862, 23.1714,
21.0341

■ 56.3575, 38.2491,
47.8047

■ 44.2217, 22.4527,
17.6313

■ 61.4026, 45.8978,
57.0129

■ 67.4778, 55.3628,
67.3170

■ 74.6408, 66.7526,
78.7564

82.9446, 80.1672,
91.3681

92.4388, 95.6995,
105.1872

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.



45.0101, 27.9073, 67.4467



49.0977, 27.9073, 32.5047



46.0467, 27.9073, 12.0604

Triad

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



49.0977, 27.9073, 32.5047



18.9500, 27.9073, 3.6943



17.9666, 27.9073, 98.8834

Complementary

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



49.0977, 27.9073, 32.5047



45.8306, 75.8401, 51.7640

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.



13.4872, 27.9073, 61.5253



49.0977, 27.9073, 32.5047



13.9532, 27.9073, 10.2250

Square

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



49.0977, 27.9073, 32.5047



27.2548, 27.9073, 2.4235



12.2127, 27.9073, 28.3620



25.8085, 27.9073, 117.4911

Rectangle

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



49.0977, 27.9073, 32.5047



40.7003, 27.9073, 5.8768



12.2127, 27.9073, 28.3620



16.0949, 27.9073, 87.3174

Sweetspot

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



49.0984, 27.9088, 32.5052



75.0630, 67.4299, 79.4124



37.2005, 20.3448, 96.5740



15.6236, 13.7234, 16.3054



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.



49.0984, 27.9088, 32.5052



45.9171, 24.0077, 23.8562



45.1607, 27.3321, 8.6917



18.3439, 18.1209, 20.4280



23.1791, 11.7609, 9.5937



2.3108, 1.1667, 1.2181

Inverse Universe

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



49.0984, 27.9088, 32.5052



45.9171, 24.0077, 23.8562



53.4566, 74.2824, 106.1282



18.3439, 18.1209, 20.4280



23.1791, 11.7609, 9.5937



2.3108, 1.1667, 1.2181

Previews

White Background



This preview shows how the XYZ color 49.0977, 27.9073, 32.5047 looks on a white background.

Color Contrast Check

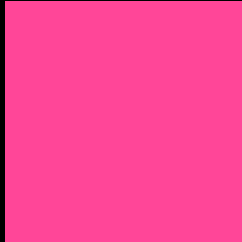
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.0977, 27.9073, 32.5047 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 49.0977, 27.9073, 32.5047

Background



This preview shows how black text looks on a background with the XYZ color 49.0977, 27.9073, 32.5047.



This preview shows how white text looks on a background with the XYZ color 49.0977, 27.9073,

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

49.0977, 27.9073, 32.5047

Protanopia

28.7681, 28.0124, 57.3168

Deuteranopia

28.6341, 28.1103, 29.9032



Tritanopia

44.9998, 27.9201, 12.9149

Trichromacy



Original Color

49.0977, 27.9073, 32.5047



Protanomaly

32.0414, 24.8256, 46.8191



Deuteranomaly

33.5672, 25.8061, 30.4060



Tritanomaly

45.9942, 27.6250, 18.5308

Monochromacy



Original Color

49.0977, 27.9073, 32.5047



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

29.0826, 22.8757, 28.0819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0977, 27.9073, 32.5047 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, 152)` looks like.

```
.text, #text, p{  
    color:rgb(255, 70, 152)  
}
```

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, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 70, 152) }
```

Border

The CSS property to change the border of an element to XYZ 49.0977, 27.9073, 32.5047 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, 152) }
```


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

```
.border{ border-color:rgb(255, 70, 152) }
```

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, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 70, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 70, 152);  
box-shadow:4px 4px 4px 4px rgb(255, 70,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0977, 27.9073, 32.5047 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, 152) }
```

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

```
.background{ background-color: rgb(255, 70,  
152) }
```

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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