

Converting Colors

XYZ(49.8895, 27.0277, 42.3823)

Have a look what the booklet for
XYZ(49.8895, 27.0277, 42.3823)
contains.

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Color

**XYZ(49.9762, 27.0531,
42.6321)**

Conversions

Conversions Part 1

Format	Color
Hex	FE39AE
RGB	254, 57, 174
RGB Percent	100%, 22%, 68%
CMY	0.0039, 0.7764, 0.3176
CMYK	0.00, 0.78, 0.31, 0.00
HSL	324°, 99%, 61%
HSV	324°, 78%, 100%
XYZ	49.9762, 27.0531, 42.6321
YIQ	129.2410, 79.8550, 78.1510

Conversions

Conversions Part 2

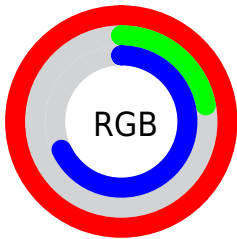
Format	Color
RYB	254, 57, 174
Decimal	16660910
CIELab	59.02, 80.19, -16.96
CIELCh	59, 81.961, 348.055
Yxy	27.0531, 0.4176, 0.2261
Android (android.graphics.Color)	4294850990 (0xFFFE39AE)
YUV	129.2410, 22.0662, 109.4136
Hunter-Lab	52.0126, 80.4893, -12.1882

Details

The XYZ color **49.9762, 27.0531, 42.6321** is a light color, and the websafe version is hex **FF0099**. The color can be described as light washed rose. A complement of this color would be **41.6464, 73.5606, 35.6759**, and the grayscale version is **20.8585, 21.9447, 23.8978**.

A 20% lighter version of the original color is **62.6059, 41.1391, 79.5039**, and **25.2511, 12.6116, 19.5158** is the 20% darker color. If you saturate the color by 10%, you get **48.0518, 24.7522, 37.2180**, and if you desaturate by 10%, it is **52.6067, 30.6421, 48.6630**.

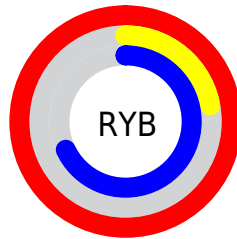
Distribution



Red (100%)

Green (22%)

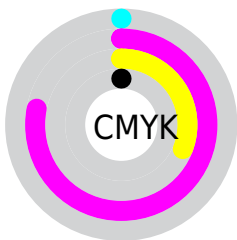
Blue (68%)



Red (100%)

Yellow (22%)

Blue (68%)

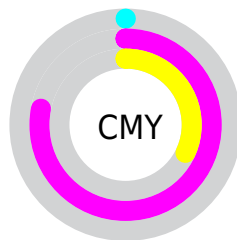


Cyan (0%)

Magenta (78%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (78%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9762, 27.0531, 42.6321 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 49.9762, 27.0531, 42.6321 by changing the saturation by 10% instead.


 49.9762, 27.0531,
42.6321

 49.9762, 27.0531,
42.6321

377.0264,
287.9141, 372.9733


 35.6122, 17.6131,
29.2673


 89.3316, 54.9691,
80.4358


 24.3036, 10.6726,
19.0358


 115.0538, 74.2138,
105.7117


 15.6849, 5.8471,
11.5191


 145.2927, 97.4956,
135.7952

 9.3909, 2.7523,
6.2986

 180.4138,
125.1989, 171.1046

 5.0562, 1.0038,
2.9558

 220.7823,
157.7079, 212.0586

 2.3153, 0.0000,
1.0721

266.7637,

 0.8025, 0.0000,

195.4073, 259.0757

0.0000

318.7233,
238.6812, 312.5744

■ 0.0000, 0.0000,
0.0000

■ 49.9762, 27.0531,
42.6321

■ 49.9762, 27.0531,
42.6321

■ 48.0518, 24.7522,
37.2180

■ 52.6067, 30.6421,
48.6630

■ 46.7210, 23.5179,
32.3742

■ 56.0248, 35.6804,
55.3456

■ 46.4466, 23.3002,
31.2619

■ 60.3031, 42.3099,
62.7122

■ 65.5046, 50.6545,
70.7916

■ 71.6862, 60.8257,
79.6103

■ 78.9003, 72.9254,
89.1930

■ 87.1950, 87.0480,
99.5630

94.6832, 99.8109,
108.8828

Harmonies

Analogous

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



43.1687, 27.0531, 84.9732



49.9762, 27.0531, 42.6321



49.1410, 27.0531, 15.2873

Triad

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



49.9762, 27.0531, 42.6321



20.1173, 27.0531, 1.8510



14.7336, 27.0531, 93.8143

Complementary

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



49.9762, 27.0531, 42.6321



41.6464, 73.5606, 35.6759

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.



11.2441, 27.0531, 50.4409



49.9762, 27.0531, 42.6321



13.7403, 27.0531, 5.6428

Square

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



49.9762, 27.0531, 42.6321



29.9759, 27.0531, 1.6174



10.9363, 27.0531, 19.3203



21.8750, 27.0531, 125.2140

Rectangle

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



49.9762, 27.0531, 42.6321



44.3852, 27.0531, 6.6669



10.9363, 27.0531, 19.3203



13.1861, 27.0531, 79.2074

Sweetspot

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



49.9770, 27.0546, 42.6326



75.5084, 66.6777, 84.6258



29.4756, 15.3017, 95.1662



15.6176, 13.3625, 17.3793



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.



49.9770, 27.0546, 42.6326



47.6849, 24.1802, 34.8134



43.6664, 24.5303, 9.4015



18.4622, 18.1682, 21.0509



24.5622, 12.3142, 16.8767



2.4457, 1.2207, 1.9286

Inverse Universe

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



49.9770, 27.0546, 42.6326



47.6849, 24.1802, 34.8134



52.0247, 77.7120, 90.3273



18.4622, 18.1682, 21.0509



24.5622, 12.3142, 16.8767



2.4457, 1.2207, 1.9286

Previews

White Background



This preview shows how the XYZ color 49.9762, 27.0531, 42.6321 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 49.9762, 27.0531, 42.6321 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 49.9762, 27.0531, 42.6321

Background



This preview shows how black text looks on a background with the XYZ color 49.9762, 27.0531, 42.6321.



This preview shows how white text looks on a background with the XYZ color 49.9762, 27.0531,

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

49.9762, 27.0531, 42.6321

Protanopia

29.6238, 27.2947, 80.0510

Deuteranopia

27.7875, 27.2566, 38.9184



Tritanopia

43.6849, 27.0184, 12.3638

Trichromacy



Original Color

49.9762, 27.0531, 42.6321



Protanomaly

31.5246, 23.0114, 64.4081



Deuteranomaly

32.5441, 24.0787, 39.9782



Tritanomaly

45.2633, 26.5776, 20.5137

Monochromacy



Original Color

49.9762, 27.0531, 42.6321



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

27.4166, 20.7435, 29.3469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9762, 27.0531, 42.6321 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(254, 57, 174)` looks like.

```
.text, #text, p{  
    color:rgb(254, 57, 174)  
}
```

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(254, 57, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 57, 174) }
```

Border

The CSS property to change the border of an element to XYZ 49.9762, 27.0531, 42.6321 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(254, 57, 174) }
```


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

```
.border{ border-color:rgb(254, 57, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 57, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 57, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 57, 174);  
box-shadow:4px 4px 4px 4px rgb(254, 57,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9762, 27.0531, 42.6321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 57, 174) }
```

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

```
.background{ background-color: rgb(254, 57,  
174) }
```

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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