

Converting Colors

XYZ(49.2057, 32.8372, 29.4128)

Have a look what the booklet for
XYZ(49.2057, 32.8372, 29.4128)
contains.

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Color

**XYZ(49.3120, 32.8179,
29.3266)**

Conversions

Conversions Part 1

Format	Color
Hex	F96C8E
RGB	249, 108, 142
RGB Percent	98%, 42%, 56%
CMY	0.0235, 0.5764, 0.4431
CMYK	0.00, 0.57, 0.43, 0.02
HSL	346°, 92%, 70%
HSV	346°, 57%, 98%
XYZ	49.3120, 32.8179, 29.3266
YIQ	154.0350, 73.1220, 40.4660

Conversions

Conversions Part 2

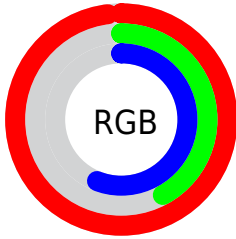
Format	Color
R _Y B	249, 108, 142
Decimal	16346254
CIE _{Lab}	64.01, 56.88, 8.79
CIE _{LCh}	64, 57.559, 8.787
Y _{xy}	32.8179, 0.4424, 0.2944
Android (android.graphics.Color)	4294536334 (0xFFFF96C8E)
YUV	154.0350, -5.9333, 83.2843
Hunter-Lab	57.2869, 53.3989, 9.7488

Details

The XYZ color **49.3120, 32.8179, 29.3266** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **52.3277, 75.8467, 76.1771**, and the grayscale version is **30.7345, 32.3351, 35.2129**.

A 20% lighter version of the original color is **64.4793, 51.7964, 58.8238**, and **23.8546, 13.8317, 11.5377** is the 20% darker color. If you saturate the color by 10%, you get **45.7501, 27.7755, 21.7229**, and if you desaturate by 10%, it is **53.8659, 39.4593, 38.4482**.

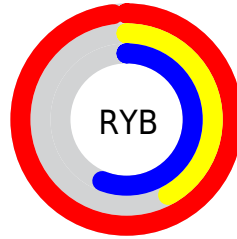
Distribution



Red (98%)

Green (42%)

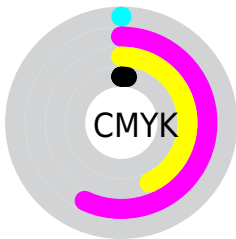
Blue (56%)



Red (98%)

Yellow (42%)

Blue (56%)

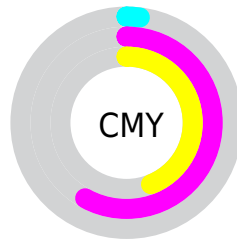


Cyan (0%)

Magenta (57%)

Yellow (43%)

Black (2%)



Cyan (2%)

Magenta (58%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3120, 32.8179, 29.3266 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 49.3120, 32.8179, 29.3266 by changing the saturation by 10% instead.


 49.3120, 32.8179,
29.3266

 49.3120, 32.8179,
29.3266


374.4659,
314.8284, 312.8619


 35.0826, 21.9870,
19.0803


 88.3526, 64.0911,
59.6440


 23.8933, 13.8473,
11.5509

 113.8945, 85.3022,
80.5521

 15.3788, 8.0146,
6.3199


 143.9380,
110.7422, 105.8513

 9.1737, 4.1043,
2.9686

 178.8483,
140.7953, 135.9601

 4.9127, 1.7321,
1.0786

218.9910,
175.8462, 171.2970

 2.2303, 0.4443,
0.0000

264.7312,

 0.7587, 0.0000,

216.2790, 212.2806

0.0000

316.4344,
262.4783, 259.3293

■ 0.0000, 0.0000,
0.0000

■ 49.3120, 32.8179,
29.3266

■ 49.3120, 32.8179,
29.3266

■ 45.7501, 27.7755,
21.7229

■ 53.8659, 39.4593,
38.4482

■ 43.0997, 24.1906,
15.5496

■ 59.4783, 47.8150,
49.1645

■ 41.2714, 21.9055,
10.7121

■ 66.2132, 57.9957,
61.5493

■ 40.1538, 20.7205,
7.1015

■ 74.1284, 70.1011,
75.6710

■ 39.8833, 20.4663,
6.1278

■ 83.2776, 84.2239,
91.5940

92.8769, 98.8797,
108.7983

Harmonies

Analogous

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



48.1343, 32.8179, 54.4829



49.3120, 32.8179, 29.3266



45.0181, 32.8179, 14.3998

Triad

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



49.3120, 32.8179, 29.3266



22.3964, 32.8179, 10.9788



25.8760, 32.8179, 95.7505

Complementary

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



49.3120, 32.8179, 29.3266



52.3277, 75.8467, 76.1771

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.



20.5340, 32.8179, 71.7125



49.3120, 32.8179, 29.3266



18.7810, 32.8179, 21.8698

Square

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



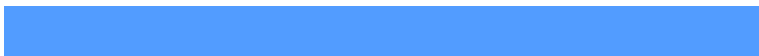
49.3120, 32.8179, 29.3266



28.8669, 32.8179, 7.2521



18.1640, 32.8179, 43.0107



33.6396, 32.8179, 100.6660

Rectangle

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



49.3120, 32.8179, 29.3266



40.0057, 32.8179, 9.5068



18.1640, 32.8179, 43.0107



23.7790, 32.8179, 89.2593

Sweetspot

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



49.3129, 32.8196, 29.3272



77.8945, 73.4515, 79.2506



50.1216, 31.8253, 93.1236



16.2931, 15.1391, 16.2921



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.



49.3129, 32.8196, 29.3272



47.8278, 28.6747, 21.8863



51.6351, 40.9446, 19.3713



17.4161, 17.2938, 18.7812



21.3951, 10.9738, 3.5233



2.0213, 1.0323, 0.5355

Inverse Universe

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



49.3129, 32.8196, 29.3272



47.8278, 28.6747, 21.8863



47.2681, 57.9959, 98.3255



17.4161, 17.2938, 18.7812



21.3951, 10.9738, 3.5233



2.0213, 1.0323, 0.5355

Previews

White Background



This preview shows how the XYZ color 49.3120, 32.8179, 29.3266 looks on a white background.

Color Contrast Check

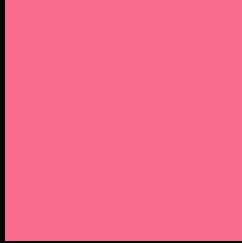
Large Text (above 18pt) WCAG AA × Fail

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 49.3120, 32.8179, 29.3266 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 49.3120, 32.8179, 29.3266

Background



This preview shows how black text looks on a background with the XYZ color 49.3120, 32.8179, 29.3266.



This preview shows how white text looks on a background with the XYZ color 49.3120, 32.8179,

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

49.3120, 32.8179, 29.3266

Protanopia

32.3068, 33.2384, 41.7587

Deuteranopia

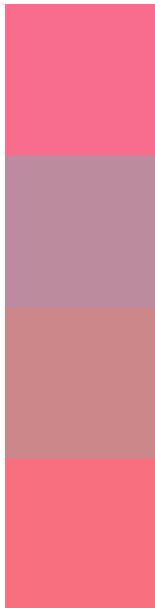
33.6396, 33.0269, 27.5235



Tritanopia

47.5421, 32.7186, 21.5789

Trichromacy



Original Color

49.3120, 32.8179, 29.3266

Protanomaly

36.3328, 31.4990, 36.9659

Deuteranomaly

38.1533, 32.0003, 28.2105

Tritanomaly

48.2921, 32.8839, 24.2240

Monochromacy



Original Color

49.3120, 32.8179, 29.3266

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

35.4369, 30.9121, 32.9531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3120, 32.8179, 29.3266 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(249, 108, 142)` looks like.

```
.text, #text, p{  
    color:rgb(249, 108, 142)  
}
```

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(249, 108, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 108, 142) }
```

Border

The CSS property to change the border of an element to XYZ 49.3120, 32.8179, 29.3266 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(249, 108, 142) }
```


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

```
.border{ border-color:rgb(249, 108, 142) }
```

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

Here you see how a box with a 4 pixel rgb(249, 108, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 108, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 108, 142);  
box-shadow:4px 4px 4px 4px rgb(249, 108,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3120, 32.8179, 29.3266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 108, 142) }
```

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

```
.background{ background-color: rgb(249,  
108, 142) }
```

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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