

Converting Colors

XYZ(49.8930, 36.7477, 32.8971)

Have a look what the booklet for
XYZ(49.8930, 36.7477, 32.8971)
contains.

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Color

**XYZ(49.8930, 36.7477,
32.8971)**

Conversions

Conversions Part 1

Format	Color
Hex	F28195
RGB	242, 129, 149
RGB Percent	95%, 51%, 58%
CMY	0.0510, 0.4941, 0.4157
CMYK	0.00, 0.47, 0.38, 0.05
HSL	349°, 81%, 73%
HSV	349°, 47%, 95%
XYZ	49.8930, 36.7477, 32.8971
YIQ	165.0670, 60.9280, 30.1760

Conversions

Conversions Part 2

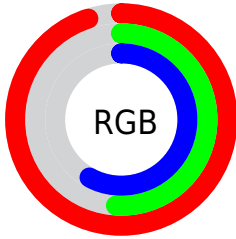
Format	Color
R _Y B	242, 129, 149
Decimal	15892885
CIE Lab	67.09, 45.20, 9.05
CIE LCh	67, 46.101, 11.322
Yxy	36.7477, 0.4174, 0.3074
Android (android.graphics.Color)	4294082965 (0xFFFF28195)
YUV	165.0670, -7.9210, 67.4702
Hunter-Lab	60.6199, 40.8291, 10.2585

Details

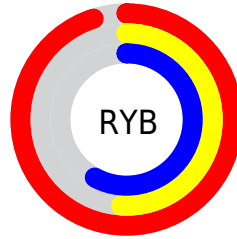
The XYZ color **49.8930, 36.7477, 32.8971** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **53.9921, 73.4461, 80.4424**, and the grayscale version is **35.8137, 37.6788, 41.0322**.

A 20% lighter version of the original color is **69.1600, 59.8528, 64.4075**, and **24.3175, 16.1180, 13.3847** is the 20% darker color. If you saturate the color by 10%, you get **45.6178, 30.5283, 24.2860**, and if you desaturate by 10%, it is **55.1969, 44.5891, 43.1935**.

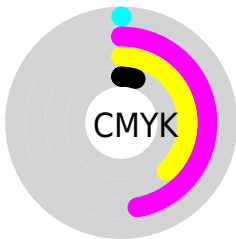
Distribution



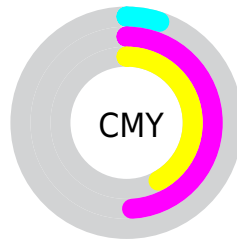
- Red (95%)
- Green (51%)
- Blue (58%)



- Red (95%)
- Yellow (51%)
- Blue (58%)



- Cyan (0%)
- Magenta (47%)
- Yellow (38%)
- Black (5%)





- Cyan (5%)
- Magenta (49%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8930, 36.7477, 32.8971 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 49.8930, 36.7477, 32.8971 by changing the saturation by 10% instead.


 49.8930, 36.7477,
32.8971


 49.8930, 36.7477,
32.8971


376.7063,
332.2169, 329.8036


 35.5458, 25.0122,
21.7772


 89.2091, 70.1846,
65.3290

 24.2521, 16.0861,
13.4965


 114.9087, 92.6547,
87.4780

 15.6465, 9.5851,
7.6366


 145.1232,
119.4719, 114.1405

 9.3636, 5.1248,
3.7789

180.2180,
151.0205, 145.7350

 5.0381, 2.3207,
1.5048

220.5583,
187.6849, 182.6800

 2.3046, 0.7846,
0.2215

266.5095,

 0.7970, 0.0000,

229.8495, 225.3941

0.0000

318.4371,
277.8987, 274.2958

■ 0.0000, 0.0000,
0.0000

■ 49.8930, 36.7477,
32.8971

■ 49.8930, 36.7477,
32.8971

■ 45.6178, 30.5283,
24.2860

■ 55.1969, 44.5891,
43.1935

■ 42.3004, 25.8115,
17.2673

■ 61.5881, 54.1496,
55.2570

■ 39.8655, 22.4706,
11.7418

■ 69.1246, 65.5254,
69.1667

■ 38.2244, 20.3552,
7.5983

■ 77.8590, 78.8039,
84.9962

■ 37.2679, 19.2763,
4.7079

■ 87.8407, 94.0668,
102.8148

■ 37.0507, 19.0503,
3.9926

■ 90.4279, 97.6172,
108.6837

Harmonies

Analogous

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



49.3271, 36.7477, 53.7017



49.8930, 36.7477, 32.8971



46.0683, 36.7477, 19.5413

Triad

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



49.8930, 36.7477, 32.8971



26.7569, 36.7477, 17.4476



30.7836, 36.7477, 88.8974

Complementary

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



49.8930, 36.7477, 32.8971



53.9921, 73.4461, 80.4424

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.



25.7455, 36.7477, 71.3227



49.8930, 36.7477, 32.8971



23.6445, 36.7477, 28.8722

Square

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



49.8930, 36.7477, 32.8971



32.3458, 36.7477, 12.8295



23.3009, 36.7477, 48.0852



37.6432, 36.7477, 91.0993

Rectangle

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



49.8930, 36.7477, 32.8971



41.8085, 36.7477, 14.7893



23.3009, 36.7477, 48.0852



28.8464, 36.7477, 84.3722

Sweetspot

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



49.8940, 36.7496, 32.8978



80.3248, 77.5497, 82.4113



53.7837, 37.5300, 88.4136



16.7591, 15.9410, 16.8487



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.



49.8940, 36.7496, 32.8978



51.6053, 34.7121, 27.8235



53.9978, 47.2963, 27.0545



15.8870, 15.8045, 16.9610



19.9389, 10.2480, 2.3287



1.6909, 0.8654, 0.3630

Inverse Universe

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



49.8940, 36.7496, 32.8978



51.6053, 34.7121, 27.8235



47.2054, 55.3265, 92.1954



15.8870, 15.8045, 16.9610



19.9389, 10.2480, 2.3287



1.6909, 0.8654, 0.3630

Previews

White Background



This preview shows how the XYZ color 49.8930, 36.7477, 32.8971 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 49.8930, 36.7477, 32.8971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

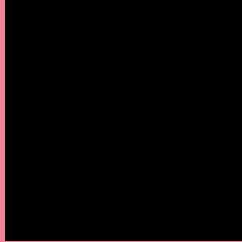
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.8930, 36.7477, 32.8971

Background



This preview shows how black text looks on a background with the XYZ color 49.8930, 36.7477, 32.8971.



This preview shows how white text looks on a background with the XYZ color 49.8930, 36.7477,

32.8971.

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

49.8930, 36.7477, 32.8971

Protanopia

35.6821, 37.0209, 42.3109

Deuteranopia

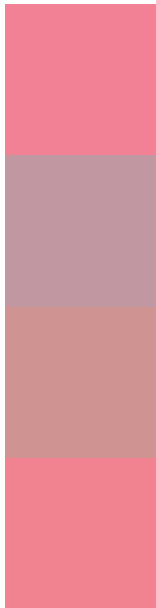
37.7544, 37.0321, 31.5436



Tritanopia

49.1256, 36.8268, 29.3300

Trichromacy



Original Color

49.8930, 36.7477, 32.8971

Protanomaly

39.4920, 36.0439, 38.5939

Deuteranomaly

41.3542, 36.2082, 32.0034

Tritanomaly

49.2162, 36.6492, 30.4666

Monochromacy



Original Color

49.8930, 36.7477, 32.8971

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

39.4786, 36.2971, 37.7262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8930, 36.7477, 32.8971 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(242, 129, 149)` looks like.

```
.text, #text, p{  
    color:rgb(242, 129, 149)  
}
```

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(242, 129, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 129, 149) }
```

Border

The CSS property to change the border of an element to XYZ 49.8930, 36.7477, 32.8971 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(242, 129, 149) }
```


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

```
.border{ border-color:rgb(242, 129, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 129, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 129, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 129, 149);  
box-shadow:4px 4px 4px 4px rgb(242, 129,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8930, 36.7477, 32.8971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 129, 149) }
```

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

```
.background{ background-color: rgb(242,  
129, 149) }
```

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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