

Converting Colors

XYZ(49.2772, 37.5418, 30.2619)

Have a look what the booklet for
XYZ(49.2772, 37.5418, 30.2619)
contains.

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Color

**XYZ(49.3428, 37.5285,
30.2343)**

Conversions

Conversions Part 1

Format	Color
Hex	F0868E
RGB	240, 134, 142
RGB Percent	94%, 53%, 56%
CMY	0.0588, 0.4745, 0.4431
CMYK	0.00, 0.44, 0.41, 0.06
HSL	355°, 78%, 73%
HSV	355°, 44%, 94%
XYZ	49.3428, 37.5285, 30.2343
YIQ	166.6060, 60.6080, 24.9600

Conversions

Conversions Part 2

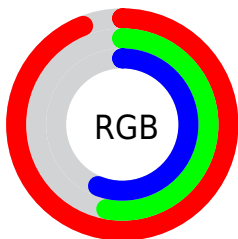
Format	Color
R _Y B	240, 134, 142
Decimal	15763086
CIE Lab	67.67, 41.20, 13.78
CIE LCh	68, 43.441, 18.497
Yxy	37.5285, 0.4214, 0.3205
Android (android.graphics.Color)	4293953166 (0xFFFF0868E)
YUV	166.6060, -12.1308, 64.3665
Hunter-Lab	61.2605, 36.5685, 13.6206

Details

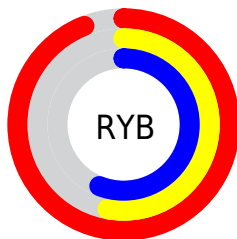
The XYZ color **49.3428, 37.5285, 30.2343** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **55.5590, 73.2156, 87.5520**, and the grayscale version is **36.5765, 38.4813, 41.9062**.

A 20% lighter version of the original color is **69.4014, 61.6407, 60.4645**, and **24.0051, 16.6311, 12.0701** is the 20% darker color. If you saturate the color by 10%, you get **44.8905, 31.0301, 21.3327**, and if you desaturate by 10%, it is **54.8813, 45.6686, 41.1348**.

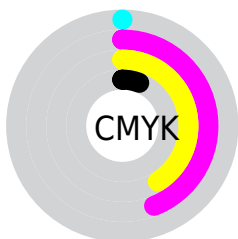
Distribution



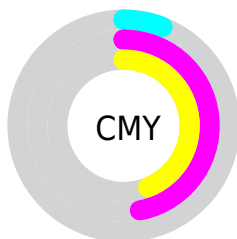
- Red (94%)
- Green (53%)
- Blue (56%)



- Red (94%)
- Yellow (53%)
- Blue (56%)



- Cyan (0%)
- Magenta (44%)
- Yellow (41%)
- Black (6%)





- Cyan (6%)
- Magenta (47%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3428, 37.5285, 30.2343 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 49.3428, 37.5285, 30.2343 by changing the saturation by 10% instead.


 49.3428, 37.5285,
30.2343


 49.3428, 37.5285,
30.2343


374.5849,
335.5930, 317.2363


 35.1071, 25.6169,
19.7629


 88.3980, 71.3849,
61.0979

 23.9123, 16.5373,
12.0405


 113.9483, 94.0985,
82.3272

 15.3930, 9.9052,
6.6484


 144.0009,
121.1816, 107.9796

 9.1838, 5.3361,
3.1681

178.9210,
153.0185, 138.4735

 4.9193, 2.4458,
1.1811

219.0742,
189.9938, 174.2277

 2.2343, 0.8493,
0.0000

264.8256,

 0.7607, 0.0000,

232.4917, 215.6605

0.0000

316.5407,
280.8966, 263.1905

■ 0.0000, 0.0000,
0.0000

■ 49.3428, 37.5285,
30.2343

■ 49.3428, 37.5285,
30.2343

■ 44.8905, 31.0301,
21.3327

■ 54.8813, 45.6686,
41.1348

■ 41.4503, 26.0566,
14.3065

■ 61.5680, 55.5454,
54.1433

■ 38.9430, 22.4852,
9.0219

■ 69.4637, 67.2534,
69.3634

■ 37.2767, 20.1712,
5.3261

■ 78.6239, 80.8787,
86.8914

■ 36.3403, 18.9387,
3.0401

■ 89.1009, 96.5020,
106.8178

■ 36.0452, 18.5693,
2.2610

■ 89.7452, 97.2653,
108.6517

Harmonies

Analogous

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



49.8497, 37.5285, 48.6748



49.3428, 37.5285, 30.2343



44.9110, 37.5285, 18.9824

Triad

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



49.3428, 37.5285, 30.2343



26.8612, 37.5285, 20.9569



33.1605, 37.5285, 88.7589

Complementary

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



49.3428, 37.5285, 30.2343



55.5590, 73.2156, 87.5520

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.



27.7920, 37.5285, 75.2113



49.3428, 37.5285, 30.2343



24.4713, 37.5285, 33.9337

Square

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



49.3428, 37.5285, 30.2343



31.7348, 37.5285, 14.9002



24.7892, 37.5285, 53.7276



39.9171, 37.5285, 86.8186

Rectangle

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



49.3428, 37.5285, 30.2343



40.6061, 37.5285, 15.2409



24.7892, 37.5285, 53.7276



31.1505, 37.5285, 85.7283

Sweetspot

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



49.3438, 37.5304, 30.2350



80.8236, 78.8237, 81.7249



57.2632, 40.3601, 87.2102



16.8361, 16.1831, 16.6025



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.



49.3438, 37.5304, 30.2350



51.9706, 36.2698, 25.3959



56.1931, 52.1554, 29.6621



15.8212, 15.7782, 16.6145



19.7497, 10.1723, 1.3326



1.6597, 0.8529, 0.1987

Inverse Universe

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



49.3438, 37.5304, 30.2350



51.9706, 36.2698, 25.3959



45.2638, 50.7662, 89.8512



15.8212, 15.7782, 16.6145



19.7497, 10.1723, 1.3326



1.6597, 0.8529, 0.1987

Previews

White Background



This preview shows how the XYZ color 49.3428, 37.5285, 30.2343 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 49.3428, 37.5285, 30.2343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

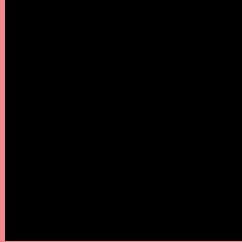
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.3428, 37.5285, 30.2343

Background



This preview shows how black text looks on a background with the XYZ color 49.3428, 37.5285, 30.2343.



This preview shows how white text looks on a background with the XYZ color 49.3428, 37.5285,

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

49.3428, 37.5285, 30.2343

Protanopia

36.2043, 37.9249, 37.7598

Deuteranopia

38.4714, 37.7076, 29.2954



Tritanopia

49.4943, 37.5891, 31.0323

Trichromacy



Original Color

49.3428, 37.5285, 30.2343

Protanomaly

39.7288, 36.9803, 34.7497

Deuteranomaly

41.8610, 37.2321, 29.4063

Tritanomaly

49.4182, 37.5586, 30.6315

Monochromacy



Original Color

49.3428, 37.5285, 30.2343

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

40.1410, 37.3806, 37.4473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3428, 37.5285, 30.2343 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(240, 134, 142)` looks like.

```
.text, #text, p{  
    color:rgb(240, 134, 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(240, 134, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 134, 142) }
```

Border

The CSS property to change the border of an element to XYZ 49.3428, 37.5285, 30.2343 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(240, 134, 142) }
```


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

```
.border{ border-color:rgb(240, 134, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 134, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 134, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 134, 142);  
box-shadow:4px 4px 4px 4px rgb(240, 134,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3428, 37.5285, 30.2343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 134, 142) }
```

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

```
.background{ background-color: rgb(240,  
134, 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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