

Converting Colors

XYZ(50.7971, 33.8630, 35.5759)

Have a look what the booklet for
XYZ(50.7971, 33.8630, 35.5759)
contains.

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Color

**XYZ(50.8372, 33.9429,
35.7705)**

Conversions

Conversions Part 1

Format	Color
Hex	F96F9D
RGB	249, 111, 157
RGB Percent	98%, 44%, 62%
CMY	0.0235, 0.5647, 0.3843
CMYK	0.00, 0.55, 0.37, 0.02
HSL	340°, 92%, 71%
HSV	340°, 55%, 98%
XYZ	50.8372, 33.9429, 35.7705
YIQ	157.5060, 67.4820, 43.5620

Conversions

Conversions Part 2

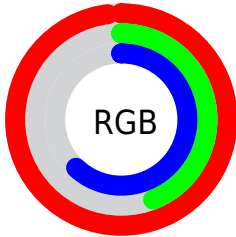
Format	Color
R _Y B	249, 111, 157
Decimal	16347037
CIE Lab	64.92, 57.09, 1.51
CIE LCh	65, 57.106, 1.516
Yxy	33.9429, 0.4217, 0.2816
Android (android.graphics.Color)	4294537117 (0xFFFF96F9D)
YUV	157.5060, -0.2495, 80.2402
Hunter-Lab	58.2605, 53.8003, 4.3798

Details

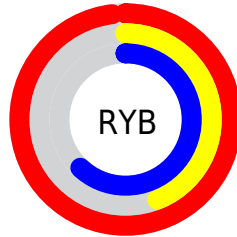
The XYZ color **50.8372, 33.9429, 35.7705** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **51.2126, 75.4436, 68.3672**, and the grayscale version is **32.2568, 33.9366, 36.9570**.

A 20% lighter version of the original color is **66.8166, 53.6006, 68.4523**, and **24.9070, 14.4978, 15.1213** is the 20% darker color. If you saturate the color by 10%, you get **47.1666, 28.7178, 28.0230**, and if you desaturate by 10%, it is **55.4593, 40.7626, 44.7860**.

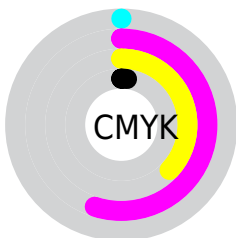
Distribution



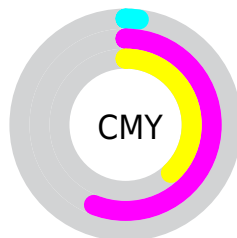
- Red (98%)
- Green (44%)
- Blue (62%)



- Red (98%)
- Yellow (44%)
- Blue (62%)



- Cyan (0%)
- Magenta (55%)
- Yellow (37%)
- Black (2%)





- Cyan (2%)
- Magenta (56%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8372, 33.9429, 35.7705 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 50.8372, 33.9429, 35.7705 by changing the saturation by 10% instead.


 50.8372, 33.9429,
35.7705


 50.8372, 33.9429,
35.7705


380.3290,
319.8774, 342.9633

 36.2996, 22.8497,
23.9687

 90.5985, 65.8449,
69.8427

 24.8368, 14.4826,
15.0984


 116.5529, 87.4225,
92.9503

 16.0836, 8.4571,
8.7411


 147.0436,
113.2636, 120.6635

 9.6746, 4.3888,
4.4782

182.4359,
143.7528, 153.4009

 5.2443, 1.8933,
1.8912

223.0953,
179.2744, 191.5810

 2.4275, 0.5444,
0.4871

269.3870,

 0.8589, 0.0000,

220.2127, 235.6225

0.0000

321.6765,
266.9523, 285.9437

■ 0.0000, 0.0000,
0.0000

■ 50.8372, 33.9429,
35.7705

■ 50.8372, 33.9429,
35.7705

■ 47.1666, 28.7178,
28.0230

■ 55.4593, 40.7626,
44.7860

■ 44.3722, 24.9496,
21.4793

■ 61.0947, 49.2889,
55.1249

■ 42.3715, 22.4859,
16.0717

■ 67.8028, 59.6299,
66.8415

■ 41.0624, 21.1370,
11.7223

■ 75.6377, 71.8831,
79.9862

■ 40.6280, 20.7642,
10.0486

■ 84.6498, 86.1391,
94.6068

92.8770, 98.8798,
108.7983

Harmonies

Analogous

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



48.2908, 33.9429, 63.1027



50.8372, 33.9429, 35.7705



47.7444, 33.9429, 17.9484

Triad

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



50.8372, 33.9429, 35.7705



24.6668, 33.9429, 10.1988



25.2789, 33.9429, 92.9210

Complementary

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



50.8372, 33.9429, 35.7705



51.2126, 75.4436, 68.3672

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.



20.5503, 33.9429, 66.1200



50.8372, 33.9429, 35.7705



20.2415, 33.9429, 19.2640

Square

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



50.8372, 33.9429, 35.7705



31.8443, 33.9429, 7.6219



18.8718, 33.9429, 38.1716



32.6827, 33.9429, 103.4222

Rectangle

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



50.8372, 33.9429, 35.7705



43.1621, 33.9429, 11.5996



18.8718, 33.9429, 38.1716



23.3709, 33.9429, 85.0824

Sweetspot

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



50.8381, 33.9447, 35.7711



78.4371, 73.6686, 82.1078



47.4135, 30.9070, 93.0894



16.4202, 15.1900, 16.9613



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.



50.8381, 33.9447, 35.7711



49.2367, 29.5499, 28.3448



50.4626, 38.3396, 19.7817



17.4832, 17.3206, 19.1343



21.8062, 11.1382, 5.6877



2.0666, 1.0504, 0.7744

Inverse Universe

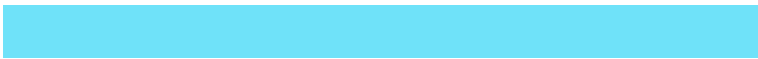
The Inverse Universe completely reimagines the original color for something new.



50.8381, 33.9447, 35.7711



49.2367, 29.5499, 28.3448



50.8522, 64.6131, 99.4141



17.4832, 17.3206, 19.1343



21.8062, 11.1382, 5.6877



2.0666, 1.0504, 0.7744

Previews

White Background



This preview shows how the XYZ color 50.8372, 33.9429, 35.7705 looks on a white background.

Color Contrast Check

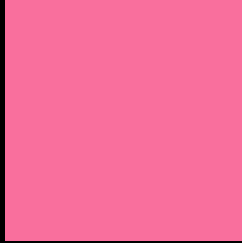
Large Text (above 18pt) WCAG AA × Fail

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 50.8372, 33.9429, 35.7705 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 50.8372, 33.9429, 35.7705

Background



This preview shows how black text looks on a background with the XYZ color 50.8372, 33.9429, 35.7705.



This preview shows how white text looks on a background with the XYZ color 50.8372, 33.9429,

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

50.8372, 33.9429, 35.7705

Protanopia

33.9508, 34.3890, 50.7473

Deuteranopia

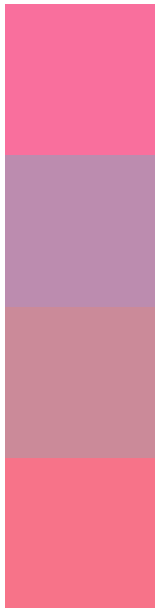
34.8007, 34.2146, 33.6240



Tritanopia

48.0690, 33.7961, 23.3918

Trichromacy



Original Color

50.8372, 33.9429, 35.7705

Protanomaly

37.8550, 32.5427, 44.8436

Deuteranomaly

39.4668, 33.1734, 34.4600

Tritanomaly

49.0039, 33.8418, 27.6162

Monochromacy



Original Color

50.8372, 33.9429, 35.7705

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

37.1823, 32.5947, 36.6794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8372, 33.9429, 35.7705 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, 111, 157)` looks like.

```
.text, #text, p{  
    color:rgb(249, 111, 157)  
}
```

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, 111, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 111, 157) }
```

Border

The CSS property to change the border of an element to XYZ 50.8372, 33.9429, 35.7705 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, 111, 157) }
```


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

```
.border{ border-color:rgb(249, 111, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 111, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(249, 111, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(249, 111, 157); box-shadow:4px 4px 4px 4px rgb(249, 111, 157) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8372, 33.9429, 35.7705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 111, 157) }
```

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

```
.background{ background-color: rgb(249,  
111, 157) }
```

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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