

Converting Colors

XYZ(49.3866, 33.9499, 40.0345)

Have a look what the booklet for
XYZ(49.3866, 33.9499, 40.0345)
contains.

XYZ(49.4040, 33.9447, 40.0245)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.4040, 33.9447,
40.0245)**

Conversions

Conversions Part 1

Format	Color
Hex	F174A6
RGB	241, 116, 166
RGB Percent	95%, 45%, 65%
CMY	0.0549, 0.5451, 0.3490
CMYK	0.00, 0.52, 0.31, 0.05
HSL	336°, 82%, 70%
HSV	336°, 52%, 95%
XYZ	49.4040, 33.9447, 40.0245
YIQ	159.0750, 58.4500, 42.0500

Conversions

Conversions Part 2

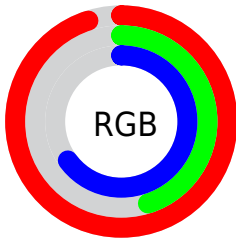
Format	Color
R_{YB}	241, 116, 166
Decimal	15824038
CIE _{Lab}	64.92, 53.23, -3.75
CIE _{LCh}	65, 53.362, 355.966
Yxy	33.9447, 0.4004, 0.2751
Android (android.graphics.Color)	4294014118 (0xFFFF174A6)
YUV	159.0750, 3.4140, 71.8482
Hunter-Lab	58.2621, 49.4025, 0.0528

Details

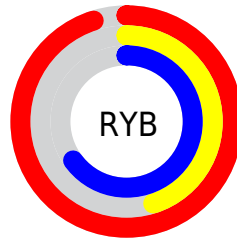
The XYZ color **49.4040, 33.9447, 40.0245** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **48.0635, 70.3862, 60.3467**, and the grayscale version is **32.9562, 34.6725, 37.7583**.

A 20% lighter version of the original color is **68.8541, 55.6063, 75.5107**, and **23.9974, 14.4975, 17.4531** is the 20% darker color. If you saturate the color by 10%, you get **45.7247, 28.5910, 32.6173**, and if you desaturate by 10%, it is **53.9548, 40.8024, 48.4588**.

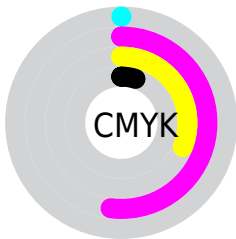
Distribution



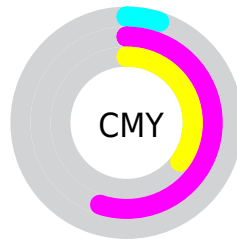
- Red (95%)
- Green (45%)
- Blue (65%)



- Red (95%)
- Yellow (45%)
- Blue (65%)



- Cyan (0%)
- Magenta (52%)
- Yellow (31%)
- Black (5%)





- Cyan (5%)
- Magenta (55%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4040, 33.9447, 40.0245 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 49.4040, 33.9447, 40.0245 by changing the saturation by 10% instead.


 49.4040, 33.9447,
40.0245


 49.4040, 33.9447,
40.0245


374.8212,
319.8854, 361.7820


 35.1559, 22.8511,
27.2437


 88.4883, 65.8477,
76.4383

 23.9501, 14.4836,
17.5223


 114.0552, 87.4258,
100.9084

 15.4211, 8.4578,
10.4417


 144.1258,
113.2677, 130.1121

 9.2037, 4.3892,
5.5834

179.0655,
143.7575, 164.4678

 4.9325, 1.8936,
2.5288

219.2395,
179.2799, 204.3941

 2.2420, 0.5445,
0.8553

265.0132,

 0.7648, 0.0000,

220.2190, 250.3095

0.0000

316.7520,
266.9594, 302.6326

■ 0.0000, 0.0000,
0.0000

■ 49.4040, 33.9447,
40.0245

■ 49.4040, 33.9447,
40.0245

■ 45.7247, 28.5910,
32.6173

■ 53.9548, 40.8024,
48.4588

■ 42.8523, 24.6202,
26.1904

■ 59.4298, 49.2625,
57.9599

■ 40.7169, 21.9010,
20.6953

■ 65.8807, 59.4210,
68.5675

■ 39.2342, 20.2735,
16.0768

■ 73.3545, 71.3649,
80.3184

■ 38.4053, 19.5526,
12.9114

■ 81.8948, 85.1751,
93.2476

89.7280, 97.2977,
106.7835

90.0858, 97.4408,
108.6677

Harmonies

Analogous

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



46.1567, 33.9447, 66.1399



49.4040, 33.9447, 40.0245



47.4920, 33.9447, 21.3275

Triad

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



49.4040, 33.9447, 40.0245



26.2044, 33.9447, 10.4399



24.6649, 33.9447, 84.4219

Complementary

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



49.4040, 33.9447, 40.0245



48.0635, 70.3862, 60.3467

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.



20.6973, 33.9447, 58.8117



49.4040, 33.9447, 40.0245



21.4819, 33.9447, 17.9425

Square

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



49.4040, 33.9447, 40.0245



33.3164, 33.9447, 8.7433



19.6315, 33.9447, 34.0561



31.2328, 33.9447, 97.4581

Rectangle

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



49.4040, 33.9447, 40.0245



43.6898, 33.9447, 14.0860



19.6315, 33.9447, 34.0561



23.0262, 33.9447, 76.6018

Sweetspot

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



49.4050, 33.9464, 40.0251



79.6931, 75.1968, 85.5596



43.6100, 29.9200, 86.6961



16.6833, 15.4973, 17.7242



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.



49.4050, 33.9464, 40.0251



51.8625, 32.3337, 36.8275



47.2139, 35.5327, 20.8951



16.0347, 15.8636, 17.7391



20.8885, 10.6278, 7.3296



1.7856, 0.9033, 0.8617

Inverse Universe

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



49.4050, 33.9464, 40.0251



51.8625, 32.3337, 36.8275



50.9621, 65.8273, 93.2394



16.0347, 15.8636, 17.7391



20.8885, 10.6278, 7.3296



1.7856, 0.9033, 0.8617

Previews

White Background



This preview shows how the XYZ color 49.4040, 33.9447, 40.0245 looks on a white background.

Color Contrast Check

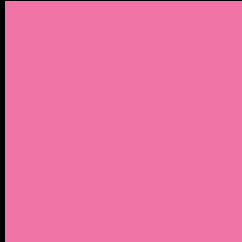
Large Text (above 18pt) WCAG AA × Fail

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 49.4040, 33.9447, 40.0245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

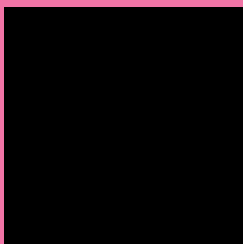
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.4040, 33.9447, 40.0245

Background



This preview shows how black text looks on a background with the XYZ color 49.4040, 33.9447, 40.0245.



This preview shows how white text looks on a background with the XYZ color 49.4040, 33.9447,

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

49.4040, 33.9447, 40.0245

Protanopia

34.1491, 34.4037, 54.7099

Deuteranopia

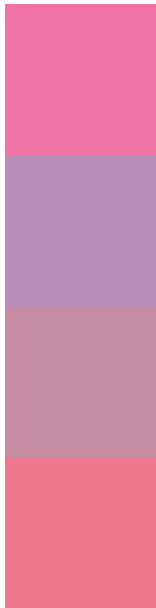
34.7497, 34.0912, 38.0065



Tritanopia

46.4396, 33.9818, 25.5842

Trichromacy



Original Color

49.4040, 33.9447, 40.0245

Protanomaly

37.7487, 32.8322, 49.1474

Deuteranomaly

38.9256, 33.2351, 38.5458

Tritanomaly

47.3471, 33.7973, 30.4136

Monochromacy



Original Color

49.4040, 33.9447, 40.0245

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

37.3303, 33.0724, 38.5985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4040, 33.9447, 40.0245 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(241, 116, 166)` looks like.

```
.text, #text, p{  
    color:rgb(241, 116, 166)  
}
```

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(241, 116, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 116, 166) }
```

Border

The CSS property to change the border of an element to XYZ 49.4040, 33.9447, 40.0245 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(241, 116, 166) }
```


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

```
.border{ border-color:rgb(241, 116, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 116, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 116, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 116, 166);  
box-shadow:4px 4px 4px 4px rgb(241, 116,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4040, 33.9447, 40.0245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 116, 166) }
```

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

```
.background{ background-color: rgb(241,  
116, 166) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor