

Converting Colors

XYZ(50.1327, 32.1447, 39.5514)

Have a look what the booklet for
XYZ(50.1327, 32.1447, 39.5514)
contains.

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Color

**XYZ(49.9921, 32.0301,
39.6239)**

Conversions

Conversions Part 1

Format	Color
Hex	F766A6
RGB	247, 102, 166
RGB Percent	97%, 40%, 65%
CMY	0.0314, 0.6000, 0.3490
CMYK	0.00, 0.59, 0.33, 0.03
HSL	334°, 90%, 68%
HSV	334°, 59%, 97%
XYZ	49.9921, 32.0301, 39.6239
YIQ	152.6510, 65.8760, 50.6440

Conversions

Conversions Part 2

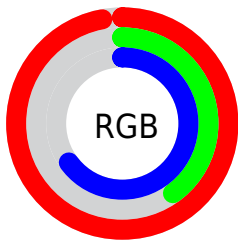
Format	Color
R _{YB}	247, 102, 166
Decimal	16213670
CIE Lab	63.37, 61.50, -5.95
CIE LCh	63, 61.791, 354.476
Yxy	32.0301, 0.4110, 0.2633
Android (android.graphics.Color)	4294403750 (0xFFFF766A6)
YUV	152.6510, 6.5811, 82.7441
Hunter-Lab	56.5951, 58.6326, -1.8941

Details

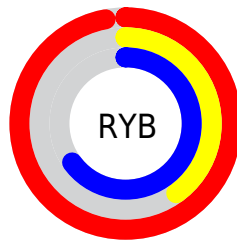
The XYZ color **49.9921, 32.0301, 39.6239** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **47.2893, 72.7661, 56.3569**, and the grayscale version is **30.0803, 31.6468, 34.4634**.

A 20% lighter version of the original color is **66.6893, 51.2767, 74.7891**, and **24.3587, 13.4356, 17.2291** is the 20% darker color. If you saturate the color by 10%, you get **46.7174, 27.3988, 32.6188**, and if you desaturate by 10%, it is **54.1274, 38.1648, 47.5866**.

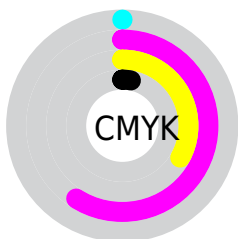
Distribution



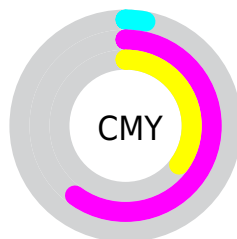
- Red (97%)
- Green (40%)
- Blue (65%)



- Red (97%)
- Yellow (40%)
- Blue (65%)



- Cyan (0%)
- Magenta (59%)
- Yellow (33%)
- Black (3%)





- Cyan (3%)
- Magenta (60%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9921, 32.0301, 39.6239 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 49.9921, 32.0301, 39.6239 by changing the saturation by 10% instead.


 49.9921, 32.0301,
39.6239


 49.9921, 32.0301,
39.6239

377.0875,
311.2563, 360.0407


 35.6249, 21.3845,
26.9339


 89.3551, 62.8583,
75.8213


 24.3134, 13.4053,
17.2916


 115.0815, 83.8096,
100.1657

 15.6923, 7.7083,
10.2784


 145.3251,
108.9650, 129.2320

 9.3961, 3.9088,
5.4759

 180.4512,
138.7088, 163.4387

 5.0596, 1.6227,
2.4656

220.8251,
173.4255, 203.2044

 2.3174, 0.3728,
0.8218

266.8123,

 0.8035, 0.0000,

213.4994, 248.9476

0.0000

318.7780,
259.3148, 301.0868

■ 0.0000, 0.0000,
0.0000

■ 49.9921, 32.0301,
39.6239

■ 49.9921, 32.0301,
39.6239

■ 46.7174, 27.3988,
32.6188

■ 54.1274, 38.1648,
47.5866

■ 44.2299, 24.1315,
26.5248

■ 59.1828, 45.9161,
56.5459

■ 42.4474, 22.0709,
21.2928

■ 65.2155, 55.3918,
66.5404

■ 41.2512, 20.9873,
16.8597

■ 72.2770, 66.6891,
77.6059

■ 41.1189, 20.8786,
16.3346

■ 80.4152, 79.8977,
89.7760

89.6748, 95.1016,
103.0830

92.1678, 98.5142,
108.7651

Harmonies

Analogous

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



45.9397, 32.0301, 70.1586



49.9921, 32.0301, 39.6239



48.0608, 32.0301, 18.7353

Triad

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



49.9921, 32.0301, 39.6239



24.1078, 32.0301, 7.1273



21.8293, 32.0301, 89.1875

Complementary

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



49.9921, 32.0301, 39.6239



47.2893, 72.7661, 56.3569

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.



17.7627, 32.0301, 58.3391



49.9921, 32.0301, 39.6239



18.8948, 32.0301, 13.9968

Square

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



49.9921, 32.0301, 39.6239



32.0595, 32.0301, 5.8197



16.7991, 32.0301, 30.5222



28.8831, 32.0301, 106.2017

Rectangle

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



49.9921, 32.0301, 39.6239



43.7967, 32.0301, 11.1430



16.7991, 32.0301, 30.5222



20.1247, 32.0301, 79.5504

Sweetspot

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



49.9930, 32.0318, 39.6245



78.2579, 72.5872, 84.2772



40.7740, 26.1349, 90.8914



16.2468, 14.7258, 17.2657



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.



49.9930, 32.0318, 39.6245



49.7991, 28.8741, 34.0828



46.2527, 31.7260, 16.2585



16.8030, 16.6040, 18.7091



21.8152, 11.0695, 9.0009



1.9681, 0.9932, 1.0585

Inverse Universe

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



49.9930, 32.0318, 39.6245



49.7991, 28.8741, 34.0828



53.3557, 71.7141, 99.0259



16.8030, 16.6040, 18.7091



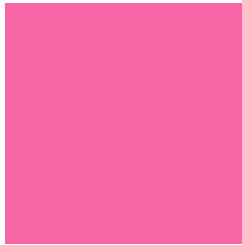
21.8152, 11.0695, 9.0009



1.9681, 0.9932, 1.0585

Previews

White Background



This preview shows how the XYZ color 49.9921, 32.0301, 39.6239 looks on a white background.

Color Contrast Check

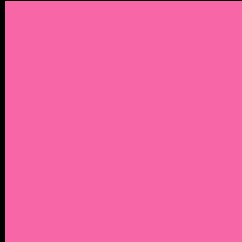
Large Text (above 18pt) WCAG AA × Fail

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 49.9921, 32.0301, 39.6239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

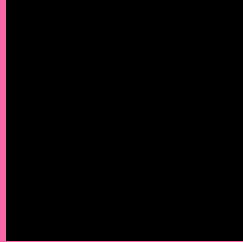
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9921, 32.0301, 39.6239

Background



This preview shows how black text looks on a background with the XYZ color 49.9921, 32.0301, 39.6239.



This preview shows how white text looks on a background with the XYZ color 49.9921, 32.0301,

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

49.9921, 32.0301, 39.6239

Protanopia

32.6924, 32.3308, 58.5502

Deuteranopia

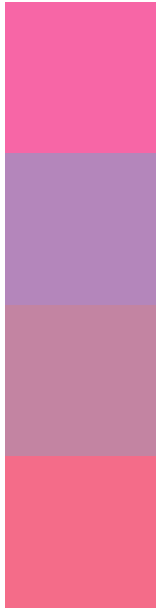
32.7313, 32.1051, 37.2727



Tritanopia

46.1465, 31.9991, 21.5136

Trichromacy



Original Color

49.9921, 32.0301, 39.6239

Protanomaly

36.3171, 30.3413, 50.9561

Deuteranomaly

37.2785, 30.7133, 38.1459

Tritanomaly

47.1861, 31.7644, 27.3111

Monochromacy



Original Color

49.9921, 32.0301, 39.6239

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

35.1902, 30.0836, 36.2997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9921, 32.0301, 39.6239 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(247, 102, 166)` looks like.

```
.text, #text, p{  
    color:rgb(247, 102, 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(247, 102, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 102, 166) }
```

Border

The CSS property to change the border of an element to XYZ 49.9921, 32.0301, 39.6239 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(247, 102, 166) }
```


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

```
.border{ border-color:rgb(247, 102, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 102, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 102, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 102, 166);  
box-shadow:4px 4px 4px 4px rgb(247, 102,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9921, 32.0301, 39.6239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 102, 166) }
```

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

```
.background{ background-color: rgb(247,  
102, 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](#).

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