

Converting Colors

XYZ(49.3047, 32.8017, 32.3253)

Have a look what the booklet for
XYZ(49.3047, 32.8017, 32.3253)
contains.

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Color

**XYZ(49.1451, 32.6692,
32.1493)**

Conversions

Conversions Part 1

Format	Color
Hex	F76C95
RGB	247, 108, 149
RGB Percent	97%, 42%, 58%
CMY	0.0314, 0.5764, 0.4157
CMYK	0.00, 0.56, 0.40, 0.03
HSL	342°, 90%, 70%
HSV	342°, 56%, 97%
XYZ	49.1451, 32.6692, 32.1493
YIQ	154.2350, 69.6830, 42.2190

Conversions

Conversions Part 2

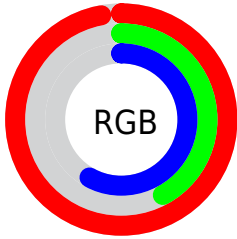
Format	Color
R _Y B	247, 108, 149
Decimal	16215189
CIE Lab	63.89, 56.95, 4.57
CIE LCh	64, 57.134, 4.585
Yxy	32.6692, 0.4312, 0.2867
Android (android.graphics.Color)	4294405269 (0xFFFF76C95)
YUV	154.2350, -2.5809, 81.3549
Hunter-Lab	57.1570, 53.4544, 6.6608

Details

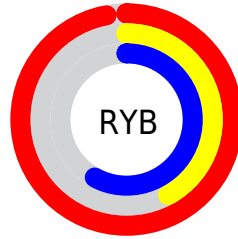
The XYZ color **49.1451, 32.6692, 32.1493** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **50.5875, 74.1666, 70.0465**, and the grayscale version is **30.8091, 32.4136, 35.2984**.

A 20% lighter version of the original color is **65.2950, 52.1227, 63.1192**, and **23.9295, 13.8333, 13.2133** is the 20% darker color. If you saturate the color by 10%, you get **45.6111, 27.6625, 24.6168**, and if you desaturate by 10%, it is **53.6265, 39.2378, 41.0240**.

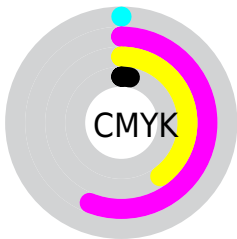
Distribution



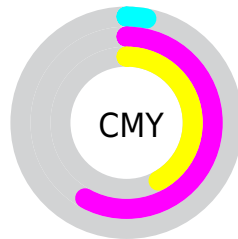
- Red (97%)
- Green (42%)
- Blue (58%)



- Red (97%)
- Yellow (42%)
- Blue (58%)



- Cyan (0%)
- Magenta (56%)
- Yellow (40%)
- Black (3%)





- Cyan (3%)
- Magenta (58%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1451, 32.6692, 32.1493 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 49.1451, 32.6692, 32.1493 by changing the saturation by 10% instead.


 49.1451, 32.6692,
32.1493


 49.1451, 32.6692,
32.1493


373.8208,
314.1565, 326.3125


 34.9496, 21.8732,
21.2098


 88.1063, 63.8587,
64.1457


 23.7904, 13.7637,
13.0847


 113.6028, 85.0210,
86.0397

 15.3021, 7.9565,
7.3555


 143.5970,
110.4074, 112.4222

 9.1194, 4.0671,
3.6036

 178.4542,
140.4025, 143.7119

 4.8769, 1.7112,
1.4105

218.5398,
175.3905, 180.3272

 2.2092, 0.4309,
0.1499

264.2192,

 0.7476, 0.0000,

215.7559, 222.6867

0.0000

315.8578,
261.8831, 271.2089

■ 0.0000, 0.0000,
0.0000

■ 49.1451, 32.6692,
32.1493

■ 49.1451, 32.6692,
32.1493

■ 45.6111, 27.6625,
24.6168

■ 53.6265, 39.2378,
41.0240

■ 42.9485, 24.0807,
18.3548

■ 59.1179, 47.4800,
51.3034

■ 41.0733, 21.7714,
13.2869

■ 65.6794, 57.5030,
63.0480

■ 39.8813, 20.5435,
9.3254

■ 73.3657, 69.4035,
76.3140

■ 39.5552, 20.2531,
8.1012

■ 82.2275, 83.2714,
91.1547

91.9259, 98.4174,
107.4916

92.1677, 98.5141,
108.7651

Harmonies

Analogous

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



47.2069, 32.6692, 58.1501



49.1451, 32.6692, 32.1493



45.5924, 32.6692, 15.8978

Triad

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



49.1451, 32.6692, 32.1493



23.0786, 32.6692, 10.1578



24.8792, 32.6692, 92.3978

Complementary

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



49.1451, 32.6692, 32.1493



50.5875, 74.1666, 70.0465

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.



19.9859, 32.6692, 67.0750



49.1451, 32.6692, 32.1493



19.0791, 32.6692, 19.7557

Square

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



49.1451, 32.6692, 32.1493



29.8321, 32.6692, 7.1781



18.0527, 32.6692, 39.2277



32.3029, 32.6692, 100.4480

Rectangle

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



49.1451, 32.6692, 32.1493



40.8961, 32.6692, 10.3183



18.0527, 32.6692, 39.2277



22.9283, 32.6692, 85.2116

Sweetspot

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



49.1460, 32.6709, 32.1499



78.2097, 73.5776, 80.9106



47.4122, 30.4644, 91.3768



16.3669, 15.1686, 16.6806



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.



49.1460, 32.6709, 32.1499



48.4429, 28.9207, 25.1254



49.8418, 38.4109, 18.9767



16.7002, 16.5629, 18.1678



20.9734, 10.7328, 4.5682



1.8865, 0.9606, 0.6286

Inverse Universe

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



49.1460, 32.6709, 32.1499



48.4429, 28.9207, 25.1254



48.3579, 60.6723, 97.1577



16.7002, 16.5629, 18.1678



20.9734, 10.7328, 4.5682



1.8865, 0.9606, 0.6286

Previews

White Background



This preview shows how the XYZ color 49.1451, 32.6692, 32.1493 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 49.1451, 32.6692, 32.1493 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 49.1451, 32.6692, 32.1493

Background



This preview shows how black text looks on a background with the XYZ color 49.1451, 32.6692, 32.1493.



This preview shows how white text looks on a background with the XYZ color 49.1451, 32.6692,

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

49.1451, 32.6692, 32.1493

Protanopia

32.3410, 32.9212, 45.7242

Deuteranopia

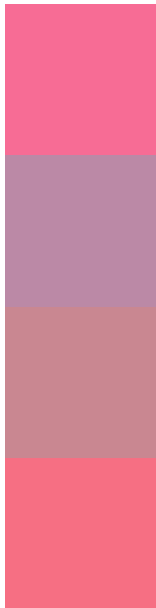
33.4680, 32.8796, 30.1736



Tritanopia

47.0125, 32.6032, 21.9044

Trichromacy



Original Color

49.1451, 32.6692, 32.1493

Protanomaly

36.3221, 31.2093, 40.1860

Deuteranomaly

37.8622, 31.7898, 30.9286

Tritanomaly

47.7872, 32.6004, 25.2466

Monochromacy



Original Color

49.1451, 32.6692, 32.1493

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

35.3522, 30.8497, 33.7971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1451, 32.6692, 32.1493 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, 108, 149)` looks like.

```
.text, #text, p{  
    color:rgb(247, 108, 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(247, 108, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 108, 149) }
```

Border

The CSS property to change the border of an element to XYZ 49.1451, 32.6692, 32.1493 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, 108, 149) }
```


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

```
.border{ border-color:rgb(247, 108, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 108, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 108, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 108, 149);  
box-shadow:4px 4px 4px 4px rgb(247, 108,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1451, 32.6692, 32.1493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 108, 149) }
```

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

```
.background{ background-color: rgb(247,  
108, 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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