

Converting Colors

XYZ(48.7311, 32.8017, 31.1901)

Have a look what the booklet for
XYZ(48.7311, 32.8017, 31.1901)
contains.

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Color

**XYZ(48.8484, 32.8513,
31.3701)**

Conversions

Conversions Part 1

Format	Color
Hex	F66E93
RGB	246, 110, 147
RGB Percent	96%, 43%, 58%
CMY	0.0353, 0.5686, 0.4235
CMYK	0.00, 0.55, 0.40, 0.04
HSL	344°, 88%, 70%
HSV	344°, 55%, 96%
XYZ	48.8484, 32.8513, 31.3701
YIQ	154.8820, 69.1790, 40.3390

Conversions

Conversions Part 2

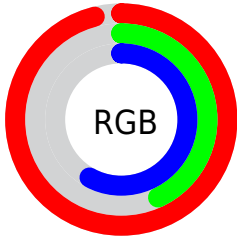
Format	Color
R _Y B	246, 110, 147
Decimal	16150163
CIE Lab	64.04, 55.50, 5.91
CIE LCh	64, 55.816, 6.075
Yxy	32.8513, 0.4320, 0.2905
Android (android.graphics.Color)	4294340243 (0xFFFF66E93)
YUV	154.8820, -3.8858, 79.9105
Hunter-Lab	57.3161, 51.8260, 7.6708

Details

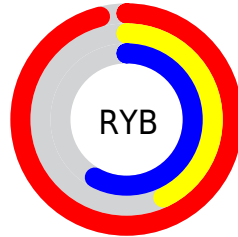
The XYZ color **48.8484, 32.8513, 31.3701** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **50.8966, 73.8307, 71.8945**, and the grayscale version is **31.1000, 32.7196, 35.6316**.

A 20% lighter version of the original color is **65.4188, 52.7495, 61.9921**, and **23.7265, 13.9405, 12.7495** is the 20% darker color. If you saturate the color by 10%, you get **45.2553, 27.7417, 23.7706**, and if you desaturate by 10%, it is **53.3986, 39.5249, 40.3686**.

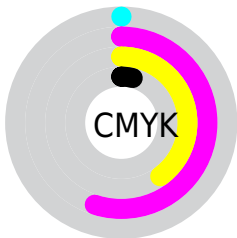
Distribution



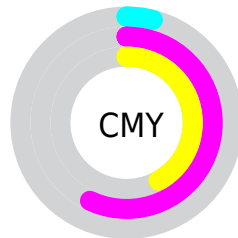
- Red (96%)
- Green (43%)
- Blue (58%)



- Red (96%)
- Yellow (43%)
- Blue (58%)



- Cyan (0%)
- Magenta (55%)
- Yellow (40%)
- Black (4%)





- Cyan (4%)
- Magenta (57%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8484, 32.8513, 31.3701 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 48.8484, 32.8513, 31.3701 by changing the saturation by 10% instead.


 48.8484, 32.8513,
31.3701


 48.8484, 32.8513,
31.3701


372.6721,
314.9792, 322.6436


 34.7133, 22.0126,
20.6200


 87.6683, 64.1433,
62.9087

 23.6076, 13.8661,
12.6580


 113.0838, 85.3653,
84.5342

 15.1659, 8.0276,
7.0655


 142.9902,
110.8173, 110.6221

 9.0230, 4.1126,
3.4240

177.7528,
140.8835, 141.5906

 4.8134, 1.7368,
1.3150

217.7369,
175.9484, 177.8586

 2.1718, 0.4473,
0.0740

263.3079,

 0.7278, 0.0000,

216.3964, 219.8443

0.0000

314.8312,
262.6118, 267.9665

■ 0.0000, 0.0000,
0.0000

■ 48.8484, 32.8513,
31.3701

■ 48.8484, 32.8513,
31.3701

■ 45.2553, 27.7417,
23.7706

■ 53.3986, 39.5249,
40.3686

■ 42.5439, 24.0616,
17.4942

■ 58.9681, 47.8720,
50.8324

■ 40.6312, 21.6624,
12.4599

■ 65.6169, 57.9982,
62.8256

■ 39.4153, 20.3594,
8.5751

■ 73.3995, 69.9990,
76.4079

■ 39.0166, 19.9970,
7.1006

■ 82.3664, 83.9629,
91.6357

91.7276, 98.2974,
108.2832

91.8159, 98.3328,
108.7486

Harmonies

Analogous

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



47.2265, 32.8513, 56.4161



48.8484, 32.8513, 31.3701



45.1446, 32.8513, 15.8159

Triad

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



48.8484, 32.8513, 31.3701



23.1235, 32.8513, 10.9077



25.4726, 32.8513, 91.9180

Complementary

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



48.8484, 32.8513, 31.3701



50.8966, 73.8307, 71.8945

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.



20.5071, 32.8513, 67.8968



48.8484, 32.8513, 31.3701



19.3191, 32.8513, 20.8972

Square

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



48.8484, 32.8513, 31.3701



29.6477, 32.8513, 7.6418



18.4487, 32.8513, 40.5621



32.8556, 32.8513, 98.6137

Rectangle

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



48.8484, 32.8513, 31.3701



40.4690, 32.8513, 10.4901



18.4487, 32.8513, 40.5621



23.5068, 32.8513, 85.2224

Sweetspot

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



48.8493, 32.8530, 31.3707



78.0751, 73.5238, 80.2015



48.0746, 31.1405, 90.6655



16.3353, 15.1560, 16.5145



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.



48.8493, 32.8530, 31.3707



48.8218, 29.7071, 25.1637



50.1221, 39.3213, 19.7022



16.6843, 16.5566, 18.0841



20.8757, 10.6937, 4.0540



1.8761, 0.9564, 0.5741

Inverse Universe

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



48.8493, 32.8530, 31.3707



48.8218, 29.7071, 25.1637



47.7591, 59.3556, 96.1282



16.6843, 16.5566, 18.0841



20.8757, 10.6937, 4.0540



1.8761, 0.9564, 0.5741

Previews

White Background



This preview shows how the XYZ color 48.8484, 32.8513, 31.3701 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 48.8484, 32.8513, 31.3701 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 48.8484, 32.8513, 31.3701

Background



This preview shows how black text looks on a background with the XYZ color 48.8484, 32.8513, 31.3701.



This preview shows how white text looks on a background with the XYZ color 48.8484, 32.8513,

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

48.8484, 32.8513, 31.3701

Protanopia

32.4010, 33.2321, 44.2419

Deuteranopia

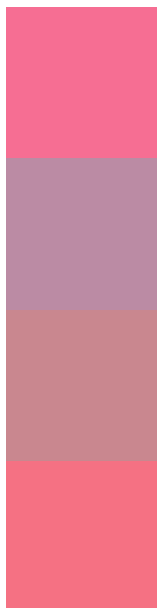
33.6186, 32.9659, 29.7905



Tritanopia

46.9518, 32.8997, 22.2880

Trichromacy



Original Color

48.8484, 32.8513, 31.3701

Protanomaly

36.4270, 31.7104, 39.3228

Deuteranomaly

37.7093, 31.7286, 30.1233

Tritanomaly

47.6580, 32.8614, 25.3038

Monochromacy



Original Color

48.8484, 32.8513, 31.3701

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

35.6392, 31.4236, 33.8927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8484, 32.8513, 31.3701 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(246, 110, 147)` looks like.

```
.text, #text, p{  
    color:rgb(246, 110, 147)  
}
```

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(246, 110, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 110, 147) }
```

Border

The CSS property to change the border of an element to XYZ 48.8484, 32.8513, 31.3701 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(246, 110, 147) }
```


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

```
.border{ border-color:rgb(246, 110, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 110, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 110, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 110, 147);  
box-shadow:4px 4px 4px 4px rgb(246, 110,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8484, 32.8513, 31.3701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 110, 147) }
```

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

```
.background{ background-color: rgb(246,  
110, 147) }
```

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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