

Converting Colors

XYZ(48.1664, 31.0082, 43.1849)

Have a look what the booklet for
XYZ(48.1664, 31.0082, 43.1849)
contains.

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Color

**XYZ(48.2294, 31.0451,
42.9855)**

Conversions

Conversions Part 1

Format	Color
Hex	F066AD
RGB	240, 102, 173
RGB Percent	94%, 40%, 68%
CMY	0.0588, 0.6000, 0.3216
CMYK	0.00, 0.57, 0.28, 0.06
HSL	329°, 82%, 67%
HSV	329°, 57%, 94%
XYZ	48.2294, 31.0451, 42.9855
YIQ	151.3560, 59.4570, 51.3370

Conversions

Conversions Part 2

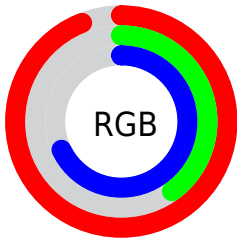
Format	Color
R _Y B	240, 102, 173
Decimal	15754925
CIE Lab	62.55, 60.25, -11.29
CIE LCh	63, 61.296, 349.382
Yxy	31.0451, 0.3945, 0.2539
Android (android.graphics.Color)	4293945005 (0xFFFF066AD)
YUV	151.3560, 10.6705, 77.7408
Hunter-Lab	55.7181, 57.0022, -6.7384

Details

The XYZ color **48.2294, 31.0451, 42.9855** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **43.8026, 68.0105, 48.3583**, and the grayscale version is **29.5069, 31.0435, 33.8064**.

A 20% lighter version of the original color is **67.4705, 51.3152, 79.7475**, and **23.1375, 12.8115, 19.3426** is the 20% darker color. If you saturate the color by 10%, you get **45.1240, 26.5607, 36.6277**, and if you desaturate by 10%, it is **52.1175, 36.9371, 50.0900**.

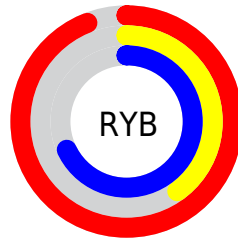
Distribution



Red (94%)

Green (40%)

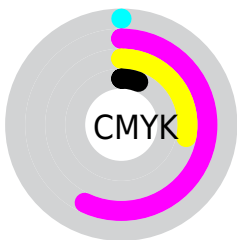
Blue (68%)



Red (94%)

Yellow (40%)

Blue (68%)

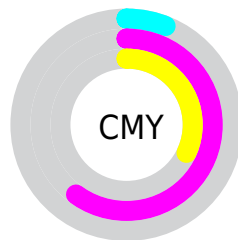


Cyan (0%)

Magenta (57%)

Yellow (28%)

Black (6%)



Cyan (6%)


Magenta (60%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2294, 31.0451, 42.9855 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 48.2294, 31.0451, 42.9855 by changing the saturation by 10% instead.


 48.2294, 31.0451,
42.9855


 48.2294, 31.0451,
42.9855

370.2682,
306.7460, 374.4716


 34.2206, 20.6332,
29.5424


 86.7535, 61.3111,
80.9751


 23.2268, 12.8561,
19.2424


 111.9995, 81.9339,
106.3587

 14.8827, 7.3296,
11.6670


 141.7219,
106.7292, 136.5596

 8.8229, 3.6690,
6.3976

 176.2862,
136.0813, 171.9962

 4.6820, 1.4902,
3.0156

216.0575,
170.3747, 213.0872

 2.0947, 0.2818,
1.1026

261.4014,

 0.6864, 0.0000,

209.9937, 260.2511

0.0000

312.6832,
255.3226, 313.9064

■ 0.0000, 0.0000,
0.0000

■ 48.2294, 31.0451,
42.9855

■ 48.2294, 31.0451,
42.9855

■ 45.1240, 26.5607,
36.6277

■ 52.1175, 36.9371,
50.0900

■ 42.7353, 23.3565,
30.9815

■ 56.8416, 44.3399,
57.9700

■ 40.9903, 21.2905,
26.0099

■ 62.4529, 53.3524,
66.6544

■ 39.7916, 20.1722,
21.6671

■ 68.9980, 64.0637,
76.1697

■ 39.5402, 19.9673,
20.6646

■ 76.5198, 76.5564,
86.5410

■ 85.0585, 90.9075,
97.7922

■ 89.6761, 97.2377,
108.2874

■ 89.7453, 97.2653,
108.6517

Harmonies

Analogous

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



43.4214, 31.0451, 73.3543



48.2294, 31.0451, 42.9855



47.3552, 31.0451, 20.7439

Triad

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



48.2294, 31.0451, 42.9855



24.5019, 31.0451, 6.3603



20.2551, 31.0451, 81.9852

Complementary

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



48.2294, 31.0451, 42.9855



43.8026, 68.0105, 48.3583

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.



16.8239, 31.0451, 51.4379



48.2294, 31.0451, 42.9855



18.9372, 31.0451, 11.8615

Square

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



48.2294, 31.0451, 42.9855



32.5602, 31.0451, 5.7826



16.3918, 31.0451, 26.0309



26.6517, 31.0451, 101.9632

Rectangle

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



48.2294, 31.0451, 42.9855



43.7096, 31.0451, 12.2429



16.3918, 31.0451, 26.0309



18.7723, 31.0451, 72.0900

Sweetspot

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



48.2303, 31.0467, 42.9861



79.5405, 74.1099, 87.9184



36.7791, 24.1978, 85.1706



16.6798, 15.2938, 18.3285



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.



48.2303, 31.0467, 42.9861



51.2548, 29.7452, 40.8578



43.2018, 29.0352, 16.5060



16.1123, 15.8946, 18.1476



21.7124, 10.9574, 11.6681



1.8565, 0.9317, 1.2354

Inverse Universe

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



48.2303, 31.0467, 42.9861



51.2548, 29.7452, 40.8578



52.0292, 71.3011, 91.6787



16.1123, 15.8946, 18.1476



21.7124, 10.9574, 11.6681



1.8565, 0.9317, 1.2354

Previews

White Background



This preview shows how the XYZ color 48.2294, 31.0451, 42.9855 looks on a white background.

Color Contrast Check

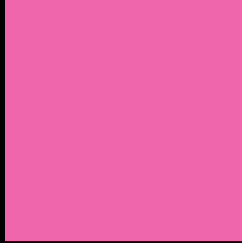
Large Text (above 18pt) WCAG AA × Fail

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 48.2294, 31.0451, 42.9855 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 48.2294, 31.0451, 42.9855

Background



This preview shows how black text looks on a background with the XYZ color 48.2294, 31.0451, 42.9855.

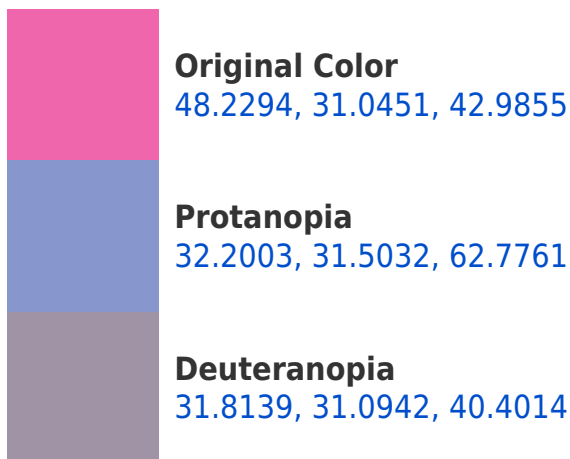


This preview shows how white text looks on a background with the XYZ color 48.2294, 31.0451,

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

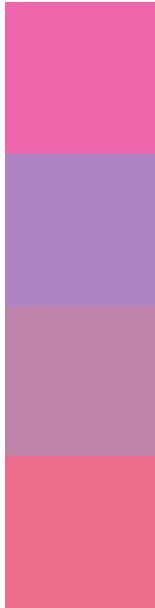




Tritanopia

43.6173, 30.8529, 21.7455

Trichromacy



Original Color

48.2294, 31.0451, 42.9855

Protanomaly

35.5807, 29.6688, 54.8903

Deuteranomaly

36.2640, 29.9160, 41.3992

Tritanomaly

45.1273, 30.8353, 28.3843

Monochromacy



Original Color

48.2294, 31.0451, 42.9855

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

34.1740, 29.3455, 36.6640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2294, 31.0451, 42.9855 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(240, 102, 173)` looks like.

```
.text, #text, p{  
    color:rgb(240, 102, 173)  
}
```

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(240, 102, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 102, 173) }
```

Border

The CSS property to change the border of an element to XYZ 48.2294, 31.0451, 42.9855 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(240, 102, 173) }
```


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

```
.border{ border-color:rgb(240, 102, 173) }
```

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

Here you see how a box with a 4 pixel rgb(240, 102, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 102, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 102, 173);  
box-shadow:4px 4px 4px 4px rgb(240, 102,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2294, 31.0451, 42.9855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 102, 173) }
```

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

```
.background{ background-color: rgb(240,  
102, 173) }
```

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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