

Converting Colors

XYZ(48.1180, 31.7756, 29.1018)

Have a look what the booklet for
XYZ(48.1180, 31.7756, 29.1018)
contains.

XYZ(47.9401, 31.6490, 29.1733)	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(47.9401, 31.6490,
29.1733)**

Conversions

Conversions Part 1

Format	Color
Hex	F6698E
RGB	246, 105, 142
RGB Percent	96%, 41%, 56%
CMY	0.0353, 0.5882, 0.4431
CMYK	0.00, 0.57, 0.42, 0.04
HSL	344°, 89%, 69%
HSV	344°, 57%, 96%
XYZ	47.9401, 31.6490, 29.1733
YIQ	151.3770, 72.1590, 41.3990

Conversions

Conversions Part 2

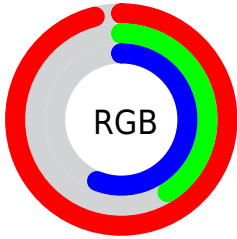
Format	Color
R_{YB}	246, 105, 142
Decimal	16148878
CIE Lab	63.05, 57.27, 7.36
CIE LCh	63, 57.737, 7.324
Yxy	31.6490, 0.4408, 0.2910
Android (android.graphics.Color)	4294338958 (0xFFFF6698E)
YUV	151.3770, -4.6229, 82.9844
Hunter-Lab	56.2574, 53.6593, 8.6343

Details

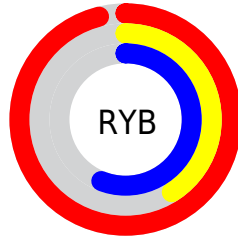
The XYZ color **47.9401, 31.6490, 29.1733** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **50.2920, 73.5190, 71.8665**, and the grayscale version is **29.5757, 31.1159, 33.8852**.

A 20% lighter version of the original color is **63.9487, 50.7353, 58.6470**, and **22.9559, 13.1200, 11.4477** is the 20% darker color. If you saturate the color by 10%, you get **44.5336, 26.8417, 21.8545**, and if you desaturate by 10%, it is **52.2946, 37.9973, 37.9028**.

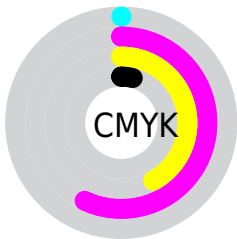
Distribution



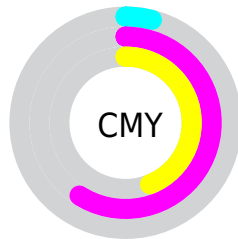
- Red (96%)
- Green (41%)
- Blue (56%)



- Red (96%)
- Yellow (41%)
- Blue (56%)



- Cyan (0%)
- Magenta (57%)
- Yellow (42%)
- Black (4%)





- Cyan (4%)
- Magenta (59%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9401, 31.6490, 29.1733 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 47.9401, 31.6490, 29.1733 by changing the saturation by 10% instead.


 47.9401, 31.6490,
29.1733


 47.9401, 31.6490,
29.1733

369.1412,
309.5172, 312.1182


 33.9905, 21.0935,
18.9653


 86.3254, 62.2604,
59.3978


 23.0492, 13.1924,
11.4686


 111.4919, 83.0852,
80.2513

 14.7507, 7.5612,
6.2648


 141.1280,
108.1018, 105.4904

 8.7298, 3.8155,
2.9354

 175.5992,
137.6948, 135.5336

 4.6210, 1.5709,
1.0617

215.2707,
172.2484, 170.7994

 2.0591, 0.3378,
0.0000

260.5080,

 0.6669, 0.0000,

212.1471, 211.7064

0.0000

311.6764,
257.7752, 258.6732

■ 0.0000, 0.0000,
0.0000

■ 47.9401, 31.6490,
29.1733

■ 47.9401, 31.6490,
29.1733

■ 44.5336, 26.8417,
21.8545

■ 52.2946, 37.9973,
37.9028

■ 41.9973, 23.4372,
15.8669

■ 57.6612, 45.9989,
48.1129

■ 40.2449, 21.2811,
11.1246

■ 64.1014, 55.7617,
59.8706

■ 39.1649, 20.1711,
7.5277

■ 71.6707, 67.3827,
73.2382

■ 38.9469, 19.9692,
6.7337

■ 80.4209, 80.9519,
88.2745

90.4005, 96.5534,
105.0351

91.8160, 98.3328,
108.7487

Harmonies

Analogous

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



46.5121, 31.6490, 54.2509



47.9401, 31.6490, 29.1733



43.9537, 31.6490, 14.1432

Triad

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



47.9401, 31.6490, 29.1733



21.7296, 31.6490, 10.0490



24.5630, 31.6490, 92.7220

Complementary

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



47.9401, 31.6490, 29.1733



50.2920, 73.5190, 71.8665

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.



19.4862, 31.6490, 68.4182



47.9401, 31.6490, 29.1733



18.0629, 31.6490, 20.1843

Square

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



47.9401, 31.6490, 29.1733



28.1738, 31.6490, 6.7180



17.3208, 31.6490, 40.3505



32.0733, 31.6490, 98.7036

Rectangle

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



47.9401, 31.6490, 29.1733



39.1154, 31.6490, 9.1793



17.3208, 31.6490, 40.3505



22.5580, 31.6490, 86.0306

Sweetspot

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



47.9409, 31.6507, 29.1739



78.0186, 73.5012, 79.9040



47.8126, 30.2269, 90.5030



16.3221, 15.1507, 16.4449



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.



47.9409, 31.6507, 29.1739



47.7550, 28.3453, 22.4282



49.6313, 38.7630, 18.2330



16.6776, 16.5539, 18.0489



20.8372, 10.6783, 3.8510



1.8720, 0.9548, 0.5522

Inverse Universe

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



47.9409, 31.6507, 29.1739



47.7550, 28.3453, 22.4282



46.2811, 57.2973, 95.8089



16.6776, 16.5539, 18.0489



20.8372, 10.6783, 3.8510



1.8720, 0.9548, 0.5522

Previews

White Background



This preview shows how the XYZ color 47.9401, 31.6490, 29.1733 looks on a white background.

Color Contrast Check

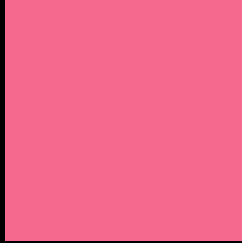
Large Text (above 18pt) WCAG AA × Fail

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 47.9401, 31.6490, 29.1733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

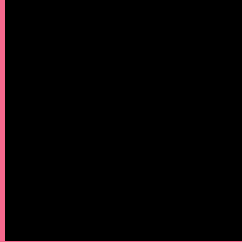
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.9401, 31.6490, 29.1733

Background



This preview shows how black text looks on a background with the XYZ color 47.9401, 31.6490, 29.1733.



This preview shows how white text looks on a background with the XYZ color 47.9401, 31.6490,

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

47.9401, 31.6490, 29.1733

Protanopia

31.1522, 31.9004, 42.0516

Deuteranopia

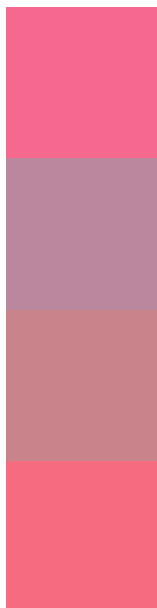
32.2625, 31.6154, 27.3236



Tritanopia

46.0950, 31.6693, 20.5129

Trichromacy



Original Color

47.9401, 31.6490, 29.1733

Protanomaly

35.1717, 30.2703, 36.7899

Deuteranomaly

36.6581, 30.6169, 28.0223

Tritanomaly

46.7846, 31.6440, 23.3807

Monochromacy



Original Color

47.9401, 31.6490, 29.1733

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

34.1201, 29.6274, 31.9373

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9401, 31.6490, 29.1733 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, 105, 142)` looks like.

```
.text, #text, p{  
    color:rgb(246, 105, 142)  
}
```

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, 105, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 105, 142) }
```

Border

The CSS property to change the border of an element to XYZ 47.9401, 31.6490, 29.1733 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, 105, 142) }
```


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

```
.border{ border-color:rgb(246, 105, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 105, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 105, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 105, 142);  
box-shadow:4px 4px 4px 4px rgb(246, 105,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9401, 31.6490, 29.1733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 105, 142) }
```

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

```
.background{ background-color: rgb(246,  
105, 142) }
```

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