

Converting Colors

XYZ(47.5871, 33.6207, 29.5369)

Have a look what the booklet for
XYZ(47.5871, 33.6207, 29.5369)
contains.

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Color

**XYZ(47.6365, 33.6106,
29.5680)**

Conversions

Conversions Part 1

Format	Color
Hex	F1768E
RGB	241, 118, 142
RGB Percent	95%, 46%, 56%
CMY	0.0549, 0.5372, 0.4431
CMYK	0.00, 0.51, 0.41, 0.05
HSL	348°, 81%, 70%
HSV	348°, 51%, 95%
XYZ	47.6365, 33.6106, 29.5680
YIQ	157.5130, 65.6040, 33.5400

Conversions

Conversions Part 2

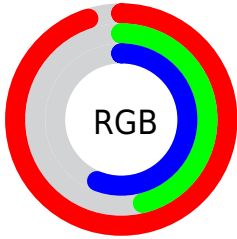
Format	Color
RYB	241, 118, 142
Decimal	15824526
CIELab	64.65, 49.53, 9.54
CIELCh	65, 50.436, 10.905
Yxy	33.6106, 0.4299, 0.3033
Android (android.graphics.Color)	4294014606 (0xFFFF1768E)
YUV	157.5130, -7.6479, 73.2181
Hunter-Lab	57.9746, 45.2139, 10.3434

Details

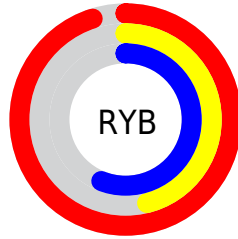
The XYZ color **47.6365, 33.6106, 29.5680** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **51.4526, 71.7726, 76.7915**, and the grayscale version is **32.2927, 33.9745, 36.9982**.

A 20% lighter version of the original color is **66.1474, 55.1327, 59.3799**, and **22.8212, 14.2633, 11.6755** is the 20% darker color. If you saturate the color by 10%, you get **43.8203, 28.1098, 21.7248**, and if you desaturate by 10%, it is **52.4328, 40.6660, 38.9890**.

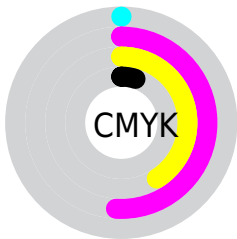
Distribution



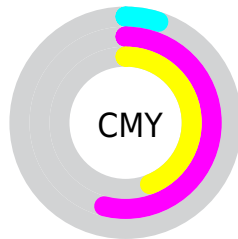
- Red (95%)
- Green (46%)
- Blue (56%)



- Red (95%)
- Yellow (46%)
- Blue (56%)



- Cyan (0%)
- Magenta (51%)
- Yellow (41%)
- Black (5%)




- Cyan (5%)
- Magenta (54%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6365, 33.6106, 29.5680 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 47.6365, 33.6106, 29.5680 by changing the saturation by 10% instead.


 47.6365, 33.6106,
29.5680


 47.6365, 33.6106,
29.5680


367.9561,
318.3922, 314.0300


 33.7492, 22.5946,
19.2617


 85.8759, 65.3277,
60.0312

 22.8629, 14.2945,
11.6808


 110.9587, 86.7975,
81.0252

 14.6125, 8.3258,
6.4068


 140.5040,
112.5208, 106.4188

 8.6324, 4.3041,
3.0212

174.8773,
142.8819, 136.6305

 4.5574, 1.8451,
1.1055

214.4437,
178.2652, 172.0790

 2.0220, 0.5150,
0.0000

259.5688,

 0.6463, 0.0000,

219.0551, 213.1827

0.0000

310.6178,
265.6360, 260.3602

■ 0.0000, 0.0000,
0.0000

■ 47.6365, 33.6106,
29.5680

■ 47.6365, 33.6106,
29.5680

■ 43.8203, 28.1098,
21.7248

■ 52.4328, 40.6660,
38.9890

■ 40.9121, 24.0404,
15.3696

■ 58.2692, 49.3765,
50.0669

■ 38.8338, 21.2690,
10.4062


■ 65.2039, 59.8402,
62.8777

■ 37.4920, 19.6345,
6.7252

■ 73.2900, 72.1461,
77.4920

■ 36.7889, 18.9061,
4.4011

■ 82.5770, 86.3772,
93.9765

 90.0855, 97.4407,
108.6677

Harmonies

Analogous

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



46.9688, 33.6106, 51.2299



47.6365, 33.6106, 29.5680



43.6491, 33.6106, 16.2239

Triad

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



47.6365, 33.6106, 29.5680



23.6788, 33.6106, 13.9962



27.6097, 33.6106, 88.5970

Complementary

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



47.6365, 33.6106, 29.5680



51.4526, 71.7726, 76.7915

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.



22.5473, 33.6106, 69.3542



47.6365, 33.6106, 29.5680



20.5257, 33.6106, 25.0539

Square

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



47.6365, 33.6106, 29.5680



29.3870, 33.6106, 9.7674



20.1454, 33.6106, 44.6583



34.6491, 33.6106, 91.2776

Rectangle

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



47.6365, 33.6106, 29.5680



39.1952, 33.6106, 11.6633



20.1454, 33.6106, 44.6583



25.6505, 33.6106, 83.5854

Sweetspot

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



47.6374, 33.6123, 29.5686



79.4718, 76.1502, 81.1816



50.7940, 33.9696, 87.0985



16.5947, 15.6669, 16.6250



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.



47.6374, 33.6123, 29.5686



49.7601, 31.8754, 24.5769



51.2515, 43.4200, 22.8215



15.8988, 15.8092, 17.0234



19.9871, 10.2673, 2.5828



1.6966, 0.8677, 0.3930

Inverse Universe

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



47.6374, 33.6123, 29.5686



49.7601, 31.8754, 24.5769



44.9665, 53.4372, 91.1633



15.8988, 15.8092, 17.0234



19.9871, 10.2673, 2.5828



1.6966, 0.8677, 0.3930

Previews

White Background



This preview shows how the XYZ color 47.6365, 33.6106, 29.5680 looks on a white background.

Color Contrast Check

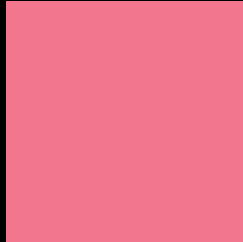
Large Text (above 18pt) WCAG AA × Fail

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 47.6365, 33.6106, 29.5680 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 47.6365, 33.6106, 29.5680

Background



This preview shows how black text looks on a background with the XYZ color 47.6365, 33.6106, 29.5680.



This preview shows how white text looks on a background with the XYZ color 47.6365, 33.6106,

29.5680.

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

47.6365, 33.6106, 29.5680

Protanopia

32.5999, 33.6904, 39.4350

Deuteranopia

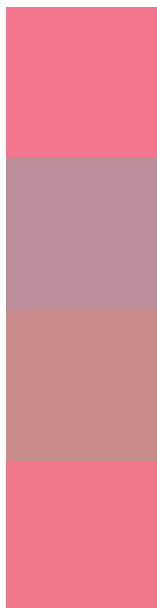
34.4044, 33.6427, 28.3473



Tritanopia

46.6141, 33.5432, 24.7865

Trichromacy



Original Color

47.6365, 33.6106, 29.5680

Protanomaly

36.3284, 32.4039, 35.3502

Deuteranomaly

38.2499, 32.8859, 28.7577

Tritanomaly

46.8351, 33.4401, 26.5404

Monochromacy



Original Color

47.6365, 33.6106, 29.5680

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

36.2290, 32.6033, 34.0894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6365, 33.6106, 29.5680 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(241, 118, 142)` looks like.

```
.text, #text, p{  
    color:rgb(241, 118, 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(241, 118, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 118, 142) }
```

Border

The CSS property to change the border of an element to XYZ 47.6365, 33.6106, 29.5680 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(241, 118, 142) }
```


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

```
.border{ border-color:rgb(241, 118, 142) }
```

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

Here you see how a box with a 4 pixel rgb(241, 118, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 118, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 118, 142);  
box-shadow:4px 4px 4px 4px rgb(241, 118,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6365, 33.6106, 29.5680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 118, 142) }
```

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

```
.background{ background-color: rgb(241,  
118, 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](#).

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