

Converting Colors

XYZ(50.7760, 30.6506, 22.1065)

Have a look what the booklet for
XYZ(50.7760, 30.6506, 22.1065)
contains.

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Color

**XYZ(48.1429, 29.3456,
21.8658)**

Conversions

Conversions Part 1

Format	Color
Hex	FF567B
RGB	255, 86, 123
RGB Percent	100%, 34%, 48%
CMY	0.0000, 0.6627, 0.5176
CMYK	0.00, 0.66, 0.52, 0.00
HSL	347°, 100%, 67%
HSV	347°, 66%, 100%
XYZ	48.1429, 29.3456, 21.8658
YIQ	140.7490, 88.8470, 47.3350

Conversions

Conversions Part 2

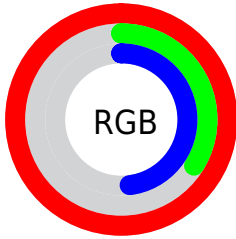
Format	Color
R _Y B	255, 86, 123
Decimal	16733819
CIE Lab	61.09, 66.30, 15.79
CIE LCh	61, 68.155, 13.392
Yxy	29.3456, 0.4846, 0.2954
Android (android.graphics.Color)	4294923899 (0xFFFF567B)
YUV	140.7490, -8.7503, 100.1981
Hunter-Lab	54.1716, 63.8347, 13.9883

Details

The XYZ color **48.1429, 29.3456, 21.8658** is a light color, and the websafe version is hex **FF3366**. The color can be described as light muted rose. A complement of this color would be **52.2547, 78.5610, 78.7457**, and the grayscale version is **25.2295, 26.5433, 28.9057**.

A 20% lighter version of the original color is **58.9511, 44.3017, 46.0015**, and **23.0842, 11.8664, 7.7304** is the 20% darker color. If you saturate the color by 10%, you get **45.3349, 25.5263, 15.3914**, and if you desaturate by 10%, it is **51.9319, 34.7212, 29.9192**.

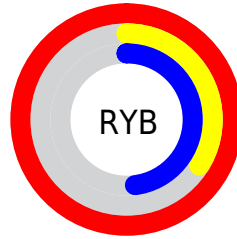
Distribution



Red (100%)

Green (34%)

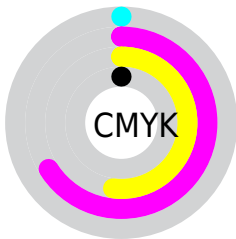
Blue (48%)



Red (100%)

Yellow (34%)

Blue (48%)

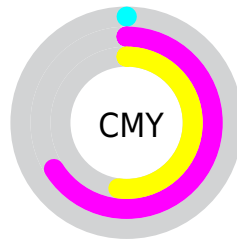


Cyan (0%)

Magenta (66%)

Yellow (52%)

Black (0%)



Cyan (0%)


Magenta (66%)

Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1429, 29.3456, 21.8658 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 48.1429, 29.3456, 21.8658 by changing the saturation by 10% instead.


 48.1429, 29.3456,
21.8658


 48.1429, 29.3456,
21.8658


369.9314,
298.8421, 274.7753

 34.1518, 19.3424,
13.5610

 86.6255, 58.6257,
47.4234


 23.1737, 11.9180,
7.6807

 111.8478, 78.6715,
65.5133

 14.8432, 6.6878,
3.8065


 141.5444,
102.8335, 87.7019

 8.7950, 3.2677,
1.5198

 176.0809,
131.4962, 114.4078

 4.6638, 1.2730,
0.2326

215.8224,
165.0441, 146.0496

 2.0841, 0.1202,
0.0000

261.1345,

 0.6805, 0.0000,

203.8614, 183.0457

0.0000

312.3824,
248.3326, 225.8148

■ 0.0000, 0.0000,
0.0000

■ 48.1429, 29.3456,
21.8658

■ 48.1429, 29.3456,
21.8658

■ 45.3349, 25.5263,
15.3914

■ 51.9319, 34.7212,
29.9192

■ 43.4088, 23.0897,
10.3858

■ 56.7832, 41.7927,
39.6479

■ 42.2471, 21.8280,
6.7253

■ 62.7720, 50.6895,
51.1420

■ 41.9492, 21.5436,
5.6654

■ 69.9659, 61.5270,
64.4845

■ 78.4269, 74.4112,
79.7532

■ 88.2131, 89.4404,
97.0211

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



47.7851, 29.3456, 48.1622



48.1429, 29.3456, 21.8658



42.3162, 29.3456, 8.6824

Triad

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



48.1429, 29.3456, 21.8658



17.6842, 29.3456, 7.8895



23.2683, 29.3456, 105.9986

Complementary

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



48.1429, 29.3456, 21.8658



52.2547, 78.5610, 78.7457

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.



17.1863, 29.3456, 79.0162



48.1429, 29.3456, 21.8658



14.4654, 29.3456, 19.8612

Square

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



48.1429, 29.3456, 21.8658



24.1026, 29.3456, 4.0213



14.3051, 29.3456, 44.7435



32.0594, 29.3456, 107.5947

Rectangle

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



48.1429, 29.3456, 21.8658



36.3075, 29.3456, 5.0734



14.3051, 29.3456, 44.7435



20.8893, 29.3456, 99.1338

Sweetspot

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



48.1436, 29.3472, 21.8663



75.1196, 69.3604, 73.8288



49.5702, 28.4106, 97.4785



15.5708, 14.0728, 14.8856



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.



48.1436, 29.3472, 21.8663



44.5192, 24.4658, 13.3589



51.0462, 38.1845, 13.4862



18.1721, 18.0522, 19.5235



21.9643, 11.2750, 3.1963



2.1771, 1.1132, 0.5140

Inverse Universe

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



48.1436, 29.3472, 21.8663



44.5192, 24.4658, 13.3589



44.9194, 55.2604, 102.9061



18.1721, 18.0522, 19.5235



21.9643, 11.2750, 3.1963



2.1771, 1.1132, 0.5140

Previews

White Background



This preview shows how the XYZ color 48.1429, 29.3456, 21.8658 looks on a white background.

Color Contrast Check

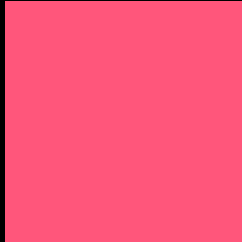
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.1429, 29.3456, 21.8658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

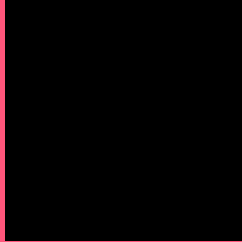
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.1429, 29.3456, 21.8658

Background



This preview shows how black text looks on a background with the XYZ color 48.1429, 29.3456, 21.8658.



This preview shows how white text looks on a background with the XYZ color 48.1429, 29.3456,

21.8658.

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

48.1429, 29.3456, 21.8658

Protanopia

28.4792, 29.4964, 34.7642

Deuteranopia

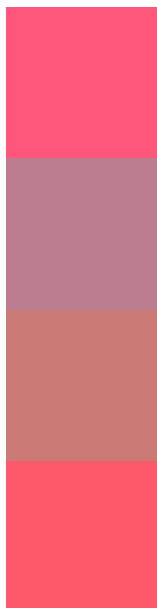
30.0011, 29.4680, 20.3263



Tritanopia

46.4068, 29.2279, 14.5049

Trichromacy



Original Color

48.1429, 29.3456, 21.8658

Protanomaly

32.7851, 27.2152, 29.5117

Deuteranomaly

34.8581, 27.9236, 20.6921

Tritanomaly

47.0469, 29.2562, 16.8030

Monochromacy



Original Color

48.1429, 29.3456, 21.8658

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

30.4319, 25.3411, 25.8416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1429, 29.3456, 21.8658 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(255, 86, 123)` looks like.

```
.text, #text, p{  
    color:rgb(255, 86, 123)  
}
```

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(255, 86, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 86, 123) }
```

Border

The CSS property to change the border of an element to XYZ 48.1429, 29.3456, 21.8658 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(255, 86, 123) }
```


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

```
.border{ border-color:rgb(255, 86, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 86, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 86, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 86, 123);  
box-shadow:4px 4px 4px 4px rgb(255, 86,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1429, 29.3456, 21.8658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 86, 123) }
```

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

```
.background{ background-color: rgb(255, 86,  
123) }
```

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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