

# Converting Colors

XYZ(46.4844, 28.4974, 21.6019)

Have a look what the booklet for  
XYZ(46.4844, 28.4974, 21.6019)  
contains.

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# Color

**XYZ(46.6243, 28.5699,  
21.4695)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FB567A
RGB	251, 86, 122
RGB Percent	98%, 34%, 48%
CMY	0.0157, 0.6627, 0.5216
CMYK	0.00, 0.66, 0.51, 0.02
HSL	347°, 95%, 66%
HSV	347°, 66%, 98%
XYZ	46.6243, 28.5699, 21.4695
YIQ	139.4390, 86.7840, 46.1760

# Conversions

## Conversions Part 2

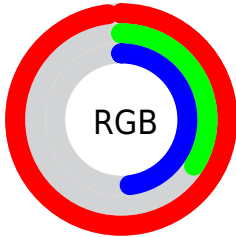
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	251, 86, 122
Decimal	16471674
CIE Lab	60.40, 65.02, 15.32
CIE LCh	60, 66.800, 13.255
Yxy	28.5699, 0.4823, 0.2956
Android (android.graphics.Color)	4294661754 (0xFFFB567A)
YUV	139.4390, -8.5974, 97.8390
Hunter-Lab	53.4508, 62.1638, 13.6007

# Details

The XYZ color **46.6243, 28.5699, 21.4695** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **50.6027, 75.8798, 76.2753**, and the grayscale version is **24.7200, 26.0073, 28.3220**.

A 20% lighter version of the original color is **58.8532, 44.2625, 45.4860**, and **22.3420, 11.5526, 7.5309** is the 20% darker color. If you saturate the color by 10%, you get **43.8645, 24.8038, 15.1440**, and if you desaturate by 10%, it is **50.3344, 33.8438, 29.3235**.

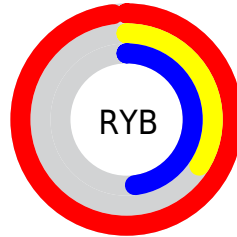
# Distribution



Red (98%)

Green (34%)

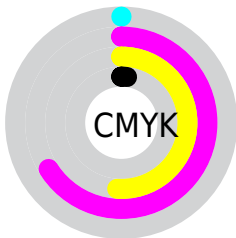
Blue (48%)



Red (98%)

Yellow (34%)

Blue (48%)

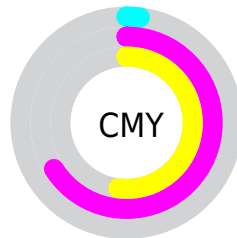


Cyan (0%)

Magenta (66%)

Yellow (51%)

Black (2%)



Cyan (2%)

Magenta (66%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6243, 28.5699, 21.4695 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 46.6243, 28.5699, 21.4695 by changing the saturation by 10% instead.





 46.6243, 28.5699,  
21.4695


 46.6243, 28.5699,  
21.4695


363.9869,  
295.1802, 272.6257

 32.9454, 18.7557,  
13.2730


 84.3747, 57.3930,  
46.7585


 22.2437, 11.4939,  
7.4839


 109.1770, 77.1708,  
64.6881

 14.1537, 6.4001,  
3.6835


 138.4178,  
101.0385, 86.6992

 8.3100, 3.0898,  
1.4534

 172.4624,  
129.3805, 113.2104

 4.3474, 1.1788,  
0.1828

211.6763,  
162.5813, 144.6400

 1.9005, 0.0443,  
0.0000

256.4248,

 0.5771, 0.0000,

201.0253, 181.4068

0.0000

307.0732,  
245.0968, 223.9292

■ 0.0000, 0.0000,  
0.0000

■ 46.6243, 28.5699,  
21.4695

■ 46.6243, 28.5699,  
21.4695

■ 43.8645, 24.8038,  
15.1440

■ 50.3344, 33.8438,  
29.3235

■ 41.9604, 22.3802,  
10.2416

■ 55.0724, 40.7587,  
38.7985

■ 40.8007, 21.1022,  
6.6439

■ 60.9103, 49.4384,  
49.9809

■ 40.4672, 20.7826,  
5.4620

■ 67.9127, 59.9934,  
62.9506

■ 76.1394, 72.5253,  
77.7821

85.6457, 87.1282,  
94.5459

93.5936, 99.2492,  
108.8318

# Harmonies

## Analogous

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



46.2518, 28.5699, 46.8323



46.6243, 28.5699, 21.4695



41.0557, 28.5699, 8.6419

# Triad

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



46.6243, 28.5699, 21.4695



17.3323, 28.5699, 7.8028



22.6666, 28.5699, 101.9970

# Complementary

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



46.6243, 28.5699, 21.4695



50.6027, 75.8798, 76.2753

# 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.



16.8100, 28.5699, 76.1124



46.6243, 28.5699, 21.4695



14.2054, 28.5699, 19.3677

# Square

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



46.6243, 28.5699, 21.4695



23.5394, 28.5699, 4.0395



14.0370, 28.5699, 43.2694



31.1227, 28.5699, 103.6524



# Rectangle

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



46.6243, 28.5699, 21.4695



35.2909, 28.5699, 5.0951



14.0370, 28.5699, 43.2694



20.3765, 28.5699, 95.3993

# Sweetspot

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



46.6250, 28.5715, 21.4700



75.1147, 69.3585, 73.8028



48.0375, 27.6940, 94.0802



15.5697, 14.0723, 14.8794



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.



46.6250, 28.5715, 21.4700



44.7191, 24.7290, 13.8466



49.4473, 37.1484, 13.3704



17.3996, 17.2872, 18.6939



21.3150, 10.9417, 3.1013



2.0117, 1.0284, 0.4852



# Inverse Universe

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



46.6250, 28.5715, 21.4700



44.7191, 24.7290, 13.8466



43.5646, 53.5707, 99.3106



17.3996, 17.2872, 18.6939



21.3150, 10.9417, 3.1013



2.0117, 1.0284, 0.4852



# Previews

## White Background



This preview shows how the XYZ color 46.6243, 28.5699, 21.4695 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 46.6243, 28.5699, 21.4695 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 46.6243, 28.5699, 21.4695**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.6243, 28.5699, 21.4695.



This preview shows how white text looks on a background with the XYZ color 46.6243, 28.5699,

21.4695.

# 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

46.6243, 28.5699, 21.4695

### Protanopia

27.9078, 28.7537, 34.2161

### Deuteranopia

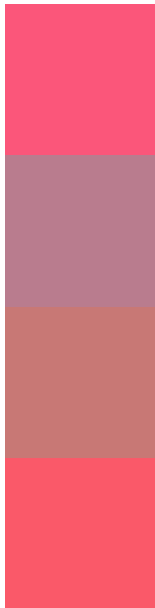
29.2099, 28.6290, 19.9060



## Tritanopia

45.2767, 28.6507, 14.2101

# Trichromacy



## Original Color

46.6243, 28.5699, 21.4695

## Protanomaly

32.0977, 26.6826, 29.0497

## Deuteranomaly

33.7468, 26.9967, 20.2618

## Tritanomaly

45.5465, 28.4887, 16.4629

# Monochromacy



## Original Color

46.6243, 28.5699, 21.4695

## Achromatopsia

24.5403, 25.8183, 28.1161

## Achromatomaly

29.7725, 24.8297, 25.4137

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.6243, 28.5699, 21.4695 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(251, 86, 122)` looks like.

```
.text, #text, p{  
    color:rgb(251, 86, 122)  
}
```

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(251, 86, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 86, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 46.6243, 28.5699, 21.4695 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(251, 86, 122) }
```



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

```
.border{ border-color:rgb(251, 86, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 86, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 86, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 86, 122);  
box-shadow:4px 4px 4px 4px rgb(251, 86,  
122) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.6243, 28.5699, 21.4695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 86, 122) }
```

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

```
.background{ background-color: rgb(251, 86,  
122) }
```

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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