

# Converting Colors

XYZ(46.9186, 26.7139, 36.4081)

Have a look what the booklet for  
XYZ(46.9186, 26.7139, 36.4081)  
contains.

<b>XYZ(46.9810, 26.7277, 36.4010)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(46.9810, 26.7277,  
36.4010)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F746A1
RGB	247, 70, 161
RGB Percent	97%, 27%, 63%
CMY	0.0314, 0.7254, 0.3686
CMYK	0.00, 0.72, 0.35, 0.03
HSL	329°, 92%, 62%
HSV	329°, 72%, 97%
XYZ	46.9810, 26.7277, 36.4010
YIQ	133.2970, 76.2810, 65.8250

# Conversions

## Conversions Part 2

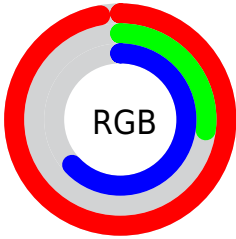
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	247, 70, 161
Decimal	16205473
CIE Lab	58.72, 73.26, -9.98
CIE LCh	59, 73.936, 352.244
Yxy	26.7277, 0.4267, 0.2427
Android (android.graphics.Color)	4294395553 (0xFFFF746A1)
YUV	133.2970, 13.6576, 99.7175
Hunter-Lab	51.6988, 71.7378, -5.5567

# Details

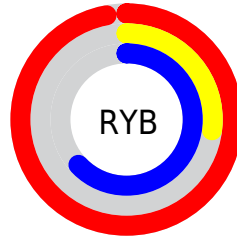
The XYZ color **46.9810, 26.7277, 36.4010** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **41.7891, 70.2248, 42.8096**, and the grayscale version is **22.3365, 23.4998, 25.5913**.

A 20% lighter version of the original color is **61.7510, 42.4505, 69.9049**, and **23.0642, 11.5649, 15.7685** is the 20% darker color. If you saturate the color by 10%, you get **44.7329, 23.8447, 30.6780**, and if you desaturate by 10%, it is **49.9671, 30.9239, 42.8717**.

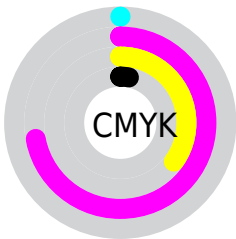
# Distribution



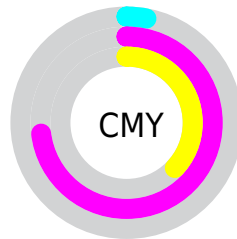
- Red (97%)
- Green (27%)
- Blue (63%)



- Red (97%)
- Yellow (27%)
- Blue (63%)



- Cyan (0%)
- Magenta (72%)
- Yellow (35%)
- Black (3%)




- Cyan (3%)
- Magenta (73%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9810, 26.7277, 36.4010 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 46.9810, 26.7277, 36.4010 by changing the saturation by 10% instead.





 46.9810, 26.7277,  
36.4010


 46.9810, 26.7277,  
36.4010


365.3889,  
286.3363, 345.8001


 33.2285, 17.3688,  
24.4519


 84.9042, 54.4466,  
70.8265


 22.4616, 10.4978,  
15.4539


 109.8056, 73.5754,  
94.1401


 14.3150, 5.7302,  
8.9884


 139.1540, 96.7297,  
122.0789

 8.4232, 2.6818,  
4.6369

 173.3148,  
124.2938, 155.0614

 4.4210, 0.9679,  
1.9809

 212.6533,  
156.6521, 193.5063

 1.9430, 0.0000,  
0.5435

257.5349,

 0.6016, 0.0000,

194.1890, 237.8320

0.0000

308.3250,  
237.2889, 288.4571

■ 0.0000, 0.0000,  
0.0000

■ 46.9810, 26.7277,  
36.4010

■ 46.9810, 26.7277,  
36.4010

■ 44.7329, 23.8447,  
30.6780

■ 49.9671, 30.9239,  
42.8717

■ 43.1340, 22.1024,  
25.6585


■ 53.7611, 36.5689,  
50.1262


■ 42.1874, 21.3060,  
21.9614


■ 58.4267, 43.7859,  
58.1991

■ 64.0203, 52.6838,  
67.1215

■ 70.5935, 63.3616,  
76.9227

 78.1937, 75.9106,  
87.6304

 86.8654, 90.4157,  
99.2706

 92.1678, 98.5142,  
108.7651

# Harmonies

## Analogous

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



41.8984, 26.7277, 71.8245



46.9810, 26.7277, 36.4010



45.2814, 26.7277, 13.9569

# Triad

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



46.9810, 26.7277, 36.4010



19.3399, 26.7277, 2.9985



16.1268, 26.7277, 89.4093

# Complementary

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



46.9810, 26.7277, 36.4010



41.7891, 70.2248, 42.8096

# 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.



12.4077, 26.7277, 52.4883



46.9810, 26.7277, 36.4010



13.9303, 26.7277, 7.9406

# Square

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



46.9810, 26.7277, 36.4010



27.8388, 26.7277, 2.3357



11.7129, 26.7277, 22.8503



23.1152, 26.7277, 112.3312



# Rectangle

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



46.9810, 26.7277, 36.4010



40.6810, 26.7277, 6.7421



11.7129, 26.7277, 22.8503



14.5287, 26.7277, 77.4550

# Sweetspot

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



46.9818, 26.7291, 36.4015



76.3717, 68.8994, 83.3877



32.6039, 18.1208, 89.7751



15.9011, 14.0181, 17.2004



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.



46.9818, 26.7291, 36.4015



47.2421, 24.6558, 30.4695



41.7500, 24.6364, 8.8514



16.8548, 16.6248, 18.9819



22.3836, 11.2969, 11.9946



2.0192, 1.0137, 1.3277



# Inverse Universe

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



46.9818, 26.7291, 36.4015



47.2421, 24.6558, 30.4695



52.1242, 74.3589, 97.2335



16.8548, 16.6248, 18.9819



22.3836, 11.2969, 11.9946



2.0192, 1.0137, 1.3277



# Previews

## White Background



This preview shows how the XYZ color 46.9810, 26.7277, 36.4010 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

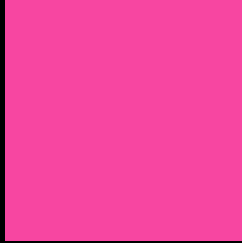
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.9810, 26.7277, 36.4010 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 46.9810, 26.7277, 36.4010**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.9810, 26.7277, 36.4010.



This preview shows how white text looks on a background with the XYZ color 46.9810, 26.7277,



# 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

46.9810, 26.7277, 36.4010

### Protanopia

28.2255, 26.9412, 63.3870

### Deuteranopia

27.3757, 26.7376, 33.4238



## Tritanopia

42.0835, 26.6470, 13.2813

# Trichromacy



## Original Color

46.9810, 26.7277, 36.4010



## Protanomaly

31.1472, 23.9032, 52.2624



## Deuteranomaly

32.0712, 24.6159, 34.0714



## Tritanomaly

43.5207, 26.4260, 19.9465

# Monochromacy



## Original Color

46.9810, 26.7277, 36.4010



## Achromatopsia

22.2940, 23.4551, 25.5426



## Achromatomaly

27.9894, 22.1337, 28.7836

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.9810, 26.7277, 36.4010 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(247, 70, 161)` looks like.

```
.text, #text, p{  
    color:rgb(247, 70, 161)  
}
```

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(247, 70, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 70, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 46.9810, 26.7277, 36.4010 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(247, 70, 161) }
```



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

```
.border{ border-color:rgb(247, 70, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 70, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 70, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 70, 161);  
box-shadow:4px 4px 4px 4px rgb(247, 70,  
161) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.9810, 26.7277, 36.4010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 70, 161) }
```

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

```
.background{ background-color: rgb(247, 70,  
161) }
```

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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