

# Converting Colors

XYZ(47.7218, 29.6019, 18.3387)

Have a look what the booklet for  
XYZ(47.7218, 29.6019, 18.3387)  
contains.

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# Color

**XYZ(47.6816, 29.5525,  
18.2300)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF596F
RGB	255, 89, 111
RGB Percent	100%, 35%, 44%
CMY	0.0000, 0.6509, 0.5647
CMYK	0.00, 0.65, 0.56, 0.00
HSL	352°, 100%, 67%
HSV	352°, 65%, 100%
XYZ	47.6816, 29.5525, 18.2300
YIQ	141.1420, 91.8740, 42.0340

# Conversions

## Conversions Part 2

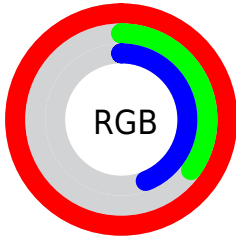
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 89, 111
Decimal	16734575
CIE <sub>Lab</sub>	61.27, 64.25, 22.99
CIE <sub>LCh</sub>	61, 68.234, 19.686
Yxy	29.5525, 0.4995, 0.3096
Android (android.graphics.Color)	4294924655 (0xFFFF596F)
YUV	141.1420, -14.8600, 99.8535
Hunter-Lab	54.3622, 61.4301, 18.1710

# Details

The XYZ color **47.6816, 29.5525, 18.2300** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted rose. A complement of this color would be **54.5900, 79.5277, 89.5712**, and the grayscale version is **25.4059, 26.7290, 29.1079**.

A 20% lighter version of the original color is **58.1953, 44.7361, 39.7501**, and **22.8965, 12.0424, 5.9681** is the 20% darker color. If you saturate the color by 10%, you get **44.8438, 25.5910, 12.0006**, and if you desaturate by 10%, it is **51.5570, 35.1069, 26.2936**.

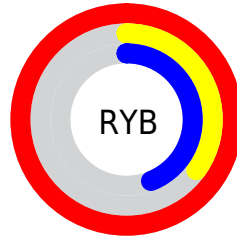
# Distribution



Red (100%)

Green (35%)

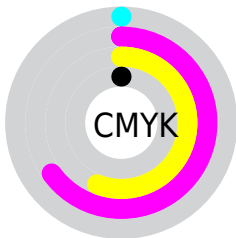
Blue (44%)



Red (100%)

Yellow (35%)

Blue (44%)

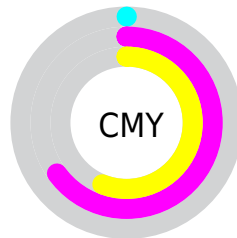


Cyan (0%)

Magenta (65%)

Yellow (56%)

Black (0%)



Cyan (0%)

Magenta (65%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6816, 29.5525, 18.2300 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 47.6816, 29.5525, 18.2300 by changing the saturation by 10% instead.





 47.6816, 29.5525,  
18.2300


 47.6816, 29.5525,  
18.2300


368.1323,  
299.8130, 254.4438

 33.7850, 19.4992,  
10.9441


 85.9427, 58.9538,  
41.2481


 22.8906, 12.0315,  
5.9156


 111.0380, 79.0705,  
57.8173

 14.6330, 6.7651,  
2.7258


 140.5968,  
103.3105, 78.3181

 8.6469, 3.3157,  
0.9564

 174.9846,  
132.0581, 103.1689

 4.5668, 1.2987,  
0.0000

214.5667,  
165.6977, 132.7884

 2.0275, 0.1402,  
0.0000

259.7084,

 0.6494, 0.0000,

204.6139, 167.5950

0.0000

310.7752,  
249.1908, 208.0073

■ 0.0000, 0.0000,  
0.0000

■ 47.6816, 29.5525,  
18.2300

■ 47.6816, 29.5525,  
18.2300

■ 44.8438, 25.5910,  
12.0006

■ 51.5570, 35.1069,  
26.2936

■ 42.9391, 23.0491,  
7.4578

■ 56.5563, 42.3940,  
36.3200

■ 41.8442, 21.7220,  
4.4333

■ 62.7596, 51.5437,  
48.4276

■ 41.5253, 21.3741,  
3.4339

■ 70.2384, 62.6724,  
62.7252

■ 79.0592, 75.8867,  
79.3139

89.2834, 91.2858,  
98.2884

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.



48.7282, 29.5525, 41.8666



47.6816, 29.5525, 18.2300



40.8044, 29.5525, 7.2836

# Triad

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



47.6816, 29.5525, 18.2300



16.8738, 29.5525, 9.6182



25.1098, 29.5525, 109.4544

# Complementary

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



47.6816, 29.5525, 18.2300



54.5900, 79.5277, 89.5712

# 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.



18.3342, 29.5525, 86.5215



47.6816, 29.5525, 18.2300



14.2969, 29.5525, 24.1122

# Square

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



47.6816, 29.5525, 18.2300



22.6650, 29.5525, 4.4656



14.7675, 29.5525, 51.8732



34.3153, 29.5525, 104.7927



# Rectangle

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



47.6816, 29.5525, 18.2300



34.5187, 29.5525, 4.5154



14.7675, 29.5525, 51.8732



22.5114, 29.5525, 104.3864

# Sweetspot

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



47.6823, 29.5542, 18.2305



74.5602, 69.1367, 70.8829



55.1842, 31.6679, 97.8112



15.4392, 14.0201, 14.1925



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.



47.6823, 29.5542, 18.2305



44.1992, 24.7141, 10.5134



53.9295, 43.7536, 15.0565



18.1073, 18.0262, 19.1823



21.7279, 11.1805, 1.9517



2.1444, 1.1001, 0.3418



# Inverse Universe

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



47.6823, 29.5542, 18.2305



44.1992, 24.7141, 10.5134



41.4930, 47.9889, 101.6831



18.1073, 18.0262, 19.1823



21.7279, 11.1805, 1.9517



2.1444, 1.1001, 0.3418



# Previews

## White Background



This preview shows how the XYZ color 47.6816, 29.5525, 18.2300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

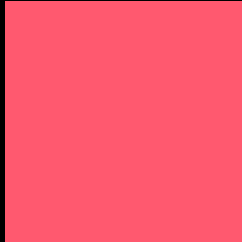
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.6816, 29.5525, 18.2300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

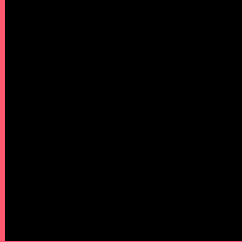
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 47.6816, 29.5525, 18.2300**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.6816, 29.5525, 18.2300.



This preview shows how white text looks on a background with the XYZ color 47.6816, 29.5525,



# 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

47.6816, 29.5525, 18.2300

### Protanopia

28.3870, 29.8162, 28.6850

### Deuteranopia

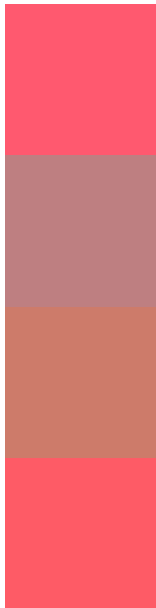
30.2526, 29.6724, 16.9648



## Tritanopia

46.8579, 29.5882, 14.5507

# Trichromacy



## Original Color

47.6816, 29.5525, 18.2300

## Protanomaly

32.7870, 27.7109, 24.3895

## Deuteranomaly

34.8613, 28.1857, 17.2387

## Tritanomaly

47.0124, 29.5123, 15.7890

# Monochromacy



## Original Color

47.6816, 29.5525, 18.2300

## Achromatopsia

25.3171, 26.6356, 29.0061

## Achromatomaly

30.2802, 25.4759, 24.4405

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.6816, 29.5525, 18.2300 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, 89, 111)` looks like.

```
.text, #text, p{  
    color:rgb(255, 89, 111)  
}
```

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, 89, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 89, 111) }
```

## Border

The CSS property to change the border of an element to XYZ 47.6816, 29.5525, 18.2300 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, 89, 111) }
```



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

```
.border{ border-color:rgb(255, 89, 111) }
```

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

Here you see how a box with a 4 pixel rgb(255, 89, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 89, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 89, 111);  
box-shadow:4px 4px 4px 4px rgb(255, 89,  
111) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.6816, 29.5525, 18.2300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 89, 111) }
```

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

```
.background{ background-color: rgb(255, 89,  
111) }
```

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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