

# Converting Colors

XYZ(47.3167, 29.1058, 17.2355)

Have a look what the booklet for  
XYZ(47.3167, 29.1058, 17.2355)  
contains.

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# Color

**XYZ(47.3550, 29.1591,  
17.3197)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF576C
RGB	255, 87, 108
RGB Percent	100%, 34%, 42%
CMY	0.0000, 0.6588, 0.5765
CMYK	0.00, 0.66, 0.58, 0.00
HSL	353°, 100%, 67%
HSV	353°, 66%, 100%
XYZ	47.3550, 29.1591, 17.3197
YIQ	139.6260, 93.3870, 42.1470

# Conversions

## Conversions Part 2

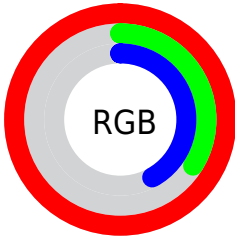
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 87, 108
Decimal	16734060
CIE Lab	60.92, 64.82, 24.26
CIE LCh	61, 69.212, 20.518
Yxy	29.1591, 0.5047, 0.3108
Android (android.graphics.Color)	4294924140 (0xFFFF576C)
YUV	139.6260, -15.5916, 101.1830
Hunter-Lab	53.9992, 62.0385, 18.7827

# Details

The XYZ color **47.3550, 29.1591, 17.3197** 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 **54.5440, 79.4876, 90.3170**, and the grayscale version is **24.8168, 26.1092, 28.4330**.

A 20% lighter version of the original color is **57.6234, 44.0140, 38.2594**, and **22.7245, 11.8312, 5.5008** is the 20% darker color. If you saturate the color by 10%, you get **44.6031, 25.3190, 11.2743**, and if you desaturate by 10%, it is **51.1409, 34.5814, 25.2093**.

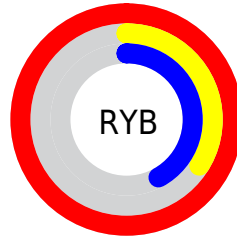
# Distribution



Red (100%)

Green (34%)

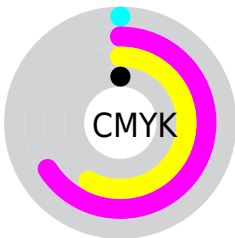
Blue (42%)



Red (100%)

Yellow (34%)

Blue (42%)

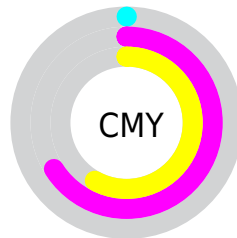


Cyan (0%)

Magenta (66%)

Yellow (58%)

Black (0%)



Cyan (0%)

Magenta (66%)


Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3550, 29.1591, 17.3197 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 47.3550, 29.1591, 17.3197 by changing the saturation by 10% instead.




 47.3550, 29.1591,  
17.3197


 47.3550, 29.1591,  
17.3197


366.8551,  
297.9649, 249.1141

 33.5255, 19.2012,  
10.2983


 85.4588, 58.3298,  
39.6728


 22.6905, 11.8158,  
5.4890


 110.4638, 78.3113,  
55.8416

 14.4846, 6.6183,  
2.4732


 139.9247,  
102.4029, 75.8966

 8.5424, 3.2246,  
0.8259

 174.2069,  
130.9889, 100.2564

 4.4986, 1.2501,  
0.0000

213.6756,  
164.4537, 129.3395

 1.9879, 0.1020,  
0.0000

258.6964,

 0.6272, 0.0000,

203.1817, 163.5645

0.0000

309.6344,  
247.5573, 203.3498

■ 0.0000, 0.0000,  
0.0000

■ 47.3550, 29.1591,  
17.3197

■ 47.3550, 29.1591,  
17.3197

■ 44.6031, 25.3190,  
11.2743

■ 51.1409, 34.5814,  
25.2093

■ 42.7787, 22.8854,  
6.9201

■ 56.0489, 41.7275,  
35.0763

■ 41.7553, 21.6487,  
4.0811

■ 62.1600, 50.7288,  
47.0430

■ 41.4987, 21.3635,  
3.2930

■ 69.5471, 61.7026,  
61.2213

■ 78.2771, 74.7563,  
77.7153

 88.4125, 89.9900,  
96.6225

95.0499, 99.9999,  
108.9000

# Harmonies

## Analogous

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



48.6004, 29.1591, 40.6623



47.3550, 29.1591, 17.3197



40.2801, 29.1591, 6.7627

# Triad

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



47.3550, 29.1591, 17.3197



16.3614, 29.1591, 9.4713



24.9528, 29.1591, 110.3429

# Complementary

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



47.3550, 29.1591, 17.3197



54.5440, 79.4876, 90.3170

# 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.



18.0791, 29.1591, 87.6414



47.3550, 29.1591, 17.3197



13.8787, 29.1591, 24.2443

# Square

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



47.3550, 29.1591, 17.3197



22.0658, 29.1591, 4.2424



14.4306, 29.1591, 52.5523



34.2540, 29.1591, 104.7632



# Rectangle

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



47.3550, 29.1591, 17.3197



33.9157, 29.1591, 4.1626



14.4306, 29.1591, 52.5523



22.3200, 29.1591, 105.4456

# Sweetspot

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



47.3557, 29.1608, 17.3202



74.5122, 69.1175, 70.6301



54.9332, 31.2947, 97.7526



15.4279, 14.0156, 14.1331



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.



47.3557, 29.1608, 17.3202



43.9395, 24.4171, 9.7411



53.6459, 43.3188, 14.5530



18.1017, 18.0240, 19.1527



21.7126, 11.1743, 1.8710



2.1418, 1.0991, 0.3280



# Inverse Universe

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



47.3557, 29.1608, 17.3202



43.9395, 24.4171, 9.7411



41.1407, 47.5654, 101.6201



18.1017, 18.0240, 19.1527



21.7126, 11.1743, 1.8710



2.1418, 1.0991, 0.3280



# Previews

## White Background



This preview shows how the XYZ color 47.3550, 29.1591, 17.3197 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 47.3550, 29.1591, 17.3197 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 47.3550, 29.1591, 17.3197**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.3550, 29.1591, 17.3197.



This preview shows how white text looks on a background with the XYZ color 47.3550, 29.1591,



# 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

47.3550, 29.1591, 17.3197

### Protanopia

28.0145, 29.4173, 27.4941

### Deuteranopia

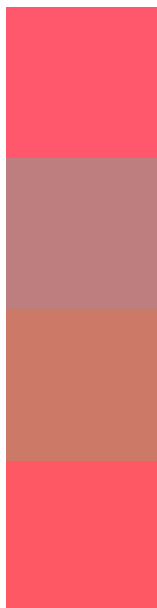
29.7296, 29.2000, 16.1258



## Tritanopia

46.5110, 29.0418, 13.9807

# Trichromacy



## Original Color

47.3550, 29.1591, 17.3197

## Protanomaly

32.3347, 27.1207, 23.2693

## Deuteranomaly

34.4624, 27.6332, 16.3493

## Tritanomaly

46.6630, 28.9704, 15.1890

# Monochromacy



## Original Color

47.3550, 29.1591, 17.3197

## Achromatopsia

24.9269, 26.2251, 28.5591

## Achromatomaly

30.0251, 25.1783, 23.6995

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.3550, 29.1591, 17.3197 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, 87, 108)` looks like.

```
.text, #text, p{  
  color:rgb(255, 87, 108)  
}
```

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, 87, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 87, 108) }
```

## Border

The CSS property to change the border of an element to XYZ 47.3550, 29.1591, 17.3197 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, 87, 108) }
```



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

```
.border{ border-color:rgb(255, 87, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 87, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 87, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 87, 108);  
box-shadow:4px 4px 4px 4px rgb(255, 87,  
108) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.3550, 29.1591, 17.3197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 87, 108) }
```

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

```
.background{ background-color: rgb(255, 87,  
108) }
```

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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