

# Converting Colors

XYZ(52.4972, 35.9970, 29.6594)

Have a look what the booklet for  
XYZ(52.4972, 35.9970, 29.6594)  
contains.

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# Color

**XYZ(52.4838, 35.9356,  
29.7612)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF758E
RGB	255, 117, 142
RGB Percent	100%, 46%, 56%
CMY	0.0000, 0.5411, 0.4431
CMYK	0.00, 0.54, 0.44, 0.00
HSL	349°, 100%, 73%
HSV	349°, 54%, 100%
XYZ	52.4838, 35.9356, 29.7612
YIQ	161.1120, 74.2230, 37.0310

# Conversions

## Conversions Part 2

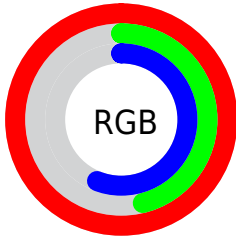
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 117, 142
Decimal	16741774
CIE Lab	66.47, 54.73, 12.40
CIE LCh	66, 56.112, 12.762
Yxy	35.9356, 0.4441, 0.3041
Android (android.graphics.Color)	4294931854 (0xFFFF758E)
YUV	161.1120, -9.4222, 82.3398
Hunter-Lab	59.9463, 51.3731, 12.5271

# Details

The XYZ color **52.4838, 35.9356, 29.7612** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **57.3811, 81.0160, 87.4817**, and the grayscale version is **33.9478, 35.7158, 38.8945**.

A 20% lighter version of the original color is **66.1474, 55.1327, 59.3799**, and **25.8486, 15.5795, 11.7700** is the 20% darker color. If you saturate the color by 10%, you get **48.4831, 30.2127, 21.4038**, and if you desaturate by 10%, it is **57.5891, 43.3977, 39.9364**.

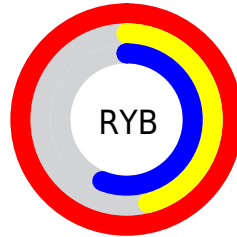
# Distribution



Red (100%)

Green (46%)

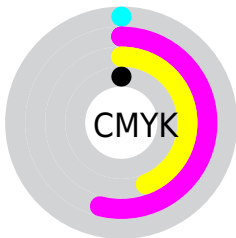
Blue (56%)



Red (100%)

Yellow (46%)

Blue (56%)

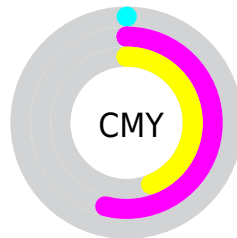


Cyan (0%)

Magenta (54%)

Yellow (44%)

Black (0%)



Cyan (0%)

Magenta (54%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.4838, 35.9356, 29.7612 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 52.4838, 35.9356, 29.7612 by changing the saturation by 10% instead.





 52.4838, 35.9356,  
29.7612


 52.4838, 35.9356,  
29.7612


386.5949,  
328.6790, 314.9623


 37.6167, 24.3845,  
19.4069

 93.0144, 68.9327,  
60.3409

 25.8612, 15.6191,  
11.7849


 119.4085, 91.1474,  
81.4033

 16.8519, 9.2550,  
6.4766

 150.3757,  
117.6854, 106.8722

 10.2236, 4.9079,  
3.0636

186.2813,  
148.9311, 137.1661

 5.6109, 2.1933,  
1.1272

227.4907,  
185.2689, 172.7035

 2.6483, 0.7163,  
0.0000

274.3691,

 0.9707, 0.0000,

227.0833, 213.9030

0.0000

327.2821,  
274.7585, 261.1831

■ 0.0000, 0.0000,  
0.0000

■ 52.4838, 35.9356,  
29.7612

■ 52.4838, 35.9356,  
29.7612

■ 48.4831, 30.2127,  
21.4038

■ 57.5891, 43.3977,  
39.9364

■ 45.5004, 26.0821,  
14.7532

■ 63.8711, 52.7191,  
52.0271

■ 43.4403, 23.3818,  
9.6889

■ 71.3991, 64.0157,  
66.1265

■ 42.1867, 21.9122,  
6.0726

■ 80.2362, 77.3923,  
82.3209

■ 41.7367, 21.4587,  
4.5460

■ 90.4411, 92.9465,  
100.6915

95.0499, 100.0000,  
108.9000

# Harmonies

## Analogous

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



52.0496, 35.9356, 54.5230



52.4838, 35.9356, 29.7612



47.4601, 35.9356, 15.3511

# Triad

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



52.4838, 35.9356, 29.7612



24.3089, 35.9356, 14.0204



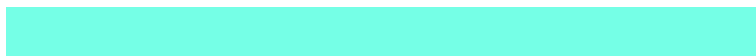
29.5832, 35.9356, 102.1391

# Complementary

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



52.4838, 35.9356, 29.7612



57.3811, 81.0160, 87.4817

# 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.



23.6038, 35.9356, 79.7579



52.4838, 35.9356, 29.7612



20.9197, 35.9356, 26.9432

# Square

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



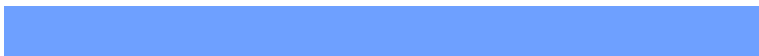
52.4838, 35.9356, 29.7612



30.7059, 35.9356, 9.1069



20.6847, 35.9356, 50.2783



37.8547, 35.9356, 103.9247



# Rectangle

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



52.4838, 35.9356, 29.7612



42.1063, 35.9356, 10.7025



20.6847, 35.9356, 50.2783



27.2748, 35.9356, 96.4545

# Sweetspot

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



52.4847, 35.9375, 29.7618



78.4671, 74.7064, 79.1033



56.9496, 36.7181, 98.6933



16.3935, 15.3813, 16.1982



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.



52.4847, 35.9375, 29.7618



48.1792, 29.7848, 20.7476



57.1448, 47.9315, 23.0720



18.1437, 18.0408, 19.3738



21.8468, 11.2280, 2.5779



2.1617, 1.1071, 0.4332



# Inverse Universe

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



52.4847, 35.9375, 29.7618



48.1792, 29.7848, 20.7476



48.7567, 57.7415, 103.1831



18.1437, 18.0408, 19.3738



21.8468, 11.2280, 2.5779



2.1617, 1.1071, 0.4332



# Previews

## White Background



This preview shows how the XYZ color 52.4838, 35.9356, 29.7612 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

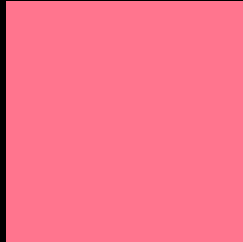
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.4838, 35.9356, 29.7612 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 ✓ Pass

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

**XYZ 52.4838, 35.9356, 29.7612**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.4838, 35.9356, 29.7612.



This preview shows how white text looks on a background with the XYZ color 52.4838, 35.9356,



# 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

52.4838, 35.9356, 29.7612

### Protanopia

34.9376, 36.1354, 41.2098

### Deuteranopia

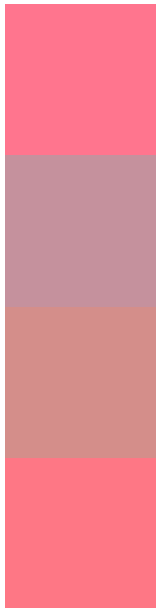
36.8259, 36.1193, 28.3233



## Tritanopia

51.4858, 36.0623, 24.6692

# Trichromacy



## Original Color

52.4838, 35.9356, 29.7612

## Protanomaly

39.2372, 34.5554, 36.5001

## Deuteranomaly

41.4118, 35.1780, 28.6522

## Tritanomaly

51.7035, 35.9579, 26.4058

# Monochromacy



## Original Color

52.4838, 35.9356, 29.7612

## Achromatopsia

33.8758, 35.6400, 38.8120

## Achromatomaly

38.4638, 34.1860, 35.1431

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.4838, 35.9356, 29.7612 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, 117, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 142)  
}
```

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, 117, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 142) }
```

## Border

The CSS property to change the border of an element to XYZ 52.4838, 35.9356, 29.7612 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, 117, 142) }
```



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

```
.border{ border-color:rgb(255, 117, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 117, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 142);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
142) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.4838, 35.9356, 29.7612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 142) }
```

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

```
.background{ background-color: rgb(255,  
117, 142) }
```

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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