

# Converting Colors

XYZ(64.7294, 43.2278, 33.3174)

Have a look what the booklet for  
XYZ(64.7294, 43.2278, 33.3174)  
contains.

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# Color

**XYZ(53.7478, 37.5958,  
32.8577)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7B95
RGB	255, 123, 149
RGB Percent	100%, 48%, 58%
CMY	0.0000, 0.5176, 0.4157
CMYK	0.00, 0.52, 0.42, 0.00
HSL	348°, 100%, 74%
HSV	348°, 52%, 100%
XYZ	53.7478, 37.5958, 32.8577
YIQ	165.4320, 70.3260, 36.0700

# Conversions

## Conversions Part 2

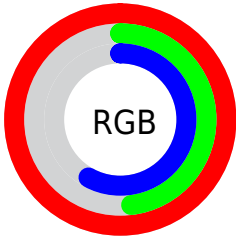
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	255, 123, 149
Decimal	16743317
CIELab	67.72, 52.60, 10.20
CIELCh	68, 53.580, 10.972
Yxy	37.5958, 0.4327, 0.3027
Android (android.graphics.Color)	4294933397 (0xFFFF7B95)
YUV	165.4320, -8.1010, 78.5511
Hunter-Lab	61.3154, 49.1674, 11.1485

# Details

The XYZ color **53.7478, 37.5958, 32.8577** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **58.0732, 81.3890, 86.7825**, and the grayscale version is **35.9869, 37.8610, 41.2306**.

A 20% lighter version of the original color is **68.1396, 57.8120, 64.0674**, and **26.5674, 16.5044, 13.5898** is the 20% darker color. If you saturate the color by 10%, you get **49.4925, 31.4758, 24.0698**, and if you desaturate by 10%, it is **59.1162, 45.4820, 43.4356**.

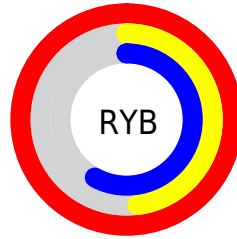
# Distribution



Red (100%)

Green (48%)

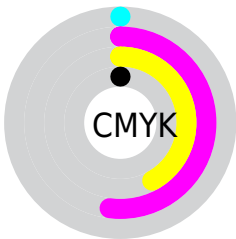
Blue (58%)



Red (100%)

Yellow (48%)

Blue (58%)

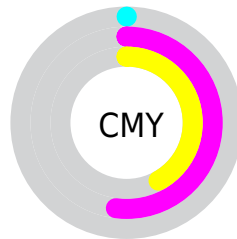


Cyan (0%)

Magenta (52%)

Yellow (42%)

Black (0%)



Cyan (0%)

Magenta (52%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.7478, 37.5958, 32.8577 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 53.7478, 37.5958, 32.8577 by changing the saturation by 10% instead.





 53.7478, 37.5958,  
32.8577


 53.7478, 37.5958,  
32.8577


391.3616,  
335.8829, 329.6204


 38.6299, 25.6691,  
21.7472

 94.8629, 71.4882,  
65.2667

 26.6514, 16.5763,  
13.4748


 121.5909, 94.2227,  
87.4024

 17.4468, 9.9329,  
7.6217


 152.9196,  
121.3286, 114.0502

 10.6508, 5.3545,  
3.7696

189.2144,  
153.1903, 145.6287

 5.8981, 2.4567,  
1.4998

230.8406,  
190.1922, 182.5564

 2.8233, 0.8548,  
0.2178

278.1637,

 1.0610, 0.0000,

232.7186, 225.2519

0.0000

331.5489,  
281.1541, 274.1337

■ 0.0000, 0.0000,  
0.0000

■ 53.7478, 37.5958,  
32.8577

■ 53.7478, 37.5958,  
32.8577

■ 49.4925, 31.4758,  
24.0698

■ 59.1162, 45.4820,  
43.4356

■ 46.2670, 26.9794,  
16.9688

■ 65.6671, 55.2509,  
55.8943

■ 43.9805, 23.9513,  
11.4436

■ 73.4676, 67.0157,  
70.3209

■ 42.5241, 22.2029,  
7.3683

■ 82.5789, 80.8792,  
86.7965

■ 41.8204, 21.4922,  
4.9865

■ 93.0580, 96.9369,  
105.3973

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



52.9917, 37.5958, 57.6682



53.7478, 37.5958, 32.8577



49.1488, 37.5958, 17.7305

# Triad

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



53.7478, 37.5958, 32.8577



26.2802, 37.5958, 15.2626



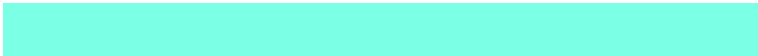
30.7915, 37.5958, 100.9200

# Complementary

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



53.7478, 37.5958, 32.8577



58.0732, 81.3890, 86.7825

# 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.



25.0130, 37.5958, 78.6898



53.7478, 37.5958, 32.8577



22.6998, 37.5958, 27.7997

# Square

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



53.7478, 37.5958, 32.8577



32.7890, 37.5958, 10.5110



22.2749, 37.5958, 50.2391



38.8496, 37.5958, 103.9749



# Rectangle

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



53.7478, 37.5958, 32.8577



44.0268, 37.5958, 12.6140



22.2749, 37.5958, 50.2391



28.5534, 37.5958, 95.1299

# Sweetspot

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



53.7488, 37.5977, 32.8584



78.5535, 74.7410, 79.5586



57.3200, 37.9803, 98.9176



16.4139, 15.3895, 16.3055



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.



53.7488, 37.5977, 32.8584



49.4040, 31.3503, 23.8814



57.8428, 48.7447, 25.1014



18.1556, 18.0455, 19.4364



21.8932, 11.2466, 2.8223



2.1679, 1.1095, 0.4658



# Inverse Universe

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



53.7488, 37.5977, 32.8584



49.4040, 31.3503, 23.8814



50.6225, 60.2375, 103.5667



18.1556, 18.0455, 19.4364



21.8932, 11.2466, 2.8223



2.1679, 1.1095, 0.4658



# Previews

## White Background



This preview shows how the XYZ color 53.7478, 37.5958, 32.8577 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

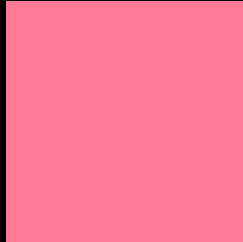
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.7478, 37.5958, 32.8577 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 53.7478, 37.5958, 32.8577**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.7478, 37.5958, 32.8577.



This preview shows how white text looks on a background with the XYZ color 53.7478, 37.5958,

32.8577.

# 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

53.7478, 37.5958, 32.8577

### Protanopia

36.4477, 37.6365, 44.3733

### Deuteranopia

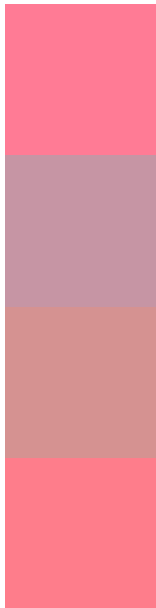
38.3423, 37.5983, 31.2229



## Tritanopia

52.6370, 37.7138, 27.0595

# Trichromacy



## Original Color

53.7478, 37.5958, 32.8577

## Protanomaly

40.7370, 36.1810, 39.9585

## Deuteranomaly

42.8303, 36.7482, 31.6238

## Tritanomaly

52.8669, 37.6021, 28.8976

# Monochromacy



## Original Color

53.7478, 37.5958, 32.8577

## Achromatopsia

35.7637, 37.6262, 40.9749

## Achromatomaly

40.4531, 36.3217, 37.6796

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.7478, 37.5958, 32.8577 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, 123, 149)` looks like.

```
.text, #text, p{  
    color:rgb(255, 123, 149)  
}
```

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, 123, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 123, 149) }
```

## Border

The CSS property to change the border of an element to XYZ 53.7478, 37.5958, 32.8577 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, 123, 149) }
```



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

```
.border{ border-color:rgb(255, 123, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 123, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 123, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 123, 149); box-shadow:4px 4px 4px 4px rgb(255, 123, 149) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.7478, 37.5958, 32.8577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 123, 149) }
```

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

```
.background{ background-color: rgb(255,  
123, 149) }
```

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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