

# Converting Colors

XYZ(55.4500, 37.9728, 42.7583)

Have a look what the booklet for  
XYZ(55.4500, 37.9728, 42.7583)  
contains.

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# Color

**XYZ(55.4281, 37.8750,  
42.9173)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF79AB
RGB	255, 121, 171
RGB Percent	100%, 47%, 67%
CMY	0.0000, 0.5255, 0.3294
CMYK	0.00, 0.53, 0.33, 0.00
HSL	338°, 100%, 74%
HSV	338°, 53%, 100%
XYZ	55.4281, 37.8750, 42.9173
YIQ	166.7660, 63.8140, 43.9580

# Conversions

## Conversions Part 2

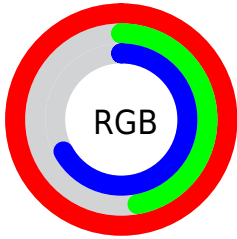
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 121, 171
Decimal	16742827
CIE <sub>Lab</sub>	67.93, 55.97, -1.94
CIE <sub>LCh</sub>	68, 56.008, 358.019
Yxy	37.8750, 0.4069, 0.2780
Android (android.graphics.Color)	4294932907 (0xFFFF79AB)
YUV	166.7660, 2.0874, 77.3812
Hunter-Lab	61.5427, 53.0655, 1.7335

# Details

The XYZ color **55.4281, 37.8750, 42.9173** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **54.6665, 79.9936, 70.3209**, and the grayscale version is **36.5864, 38.4917, 41.9175**.

A 20% lighter version of the original color is **70.6896, 58.1953, 79.4586**, and **27.7257, 16.7146, 19.2177** is the 20% darker color. If you saturate the color by 10%, you get **51.2957, 31.9032, 34.4713**, and if you desaturate by 10%, it is **60.5655, 45.5619, 52.6084**.

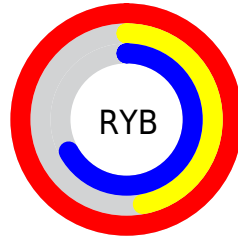
# Distribution



Red (100%)

Green (47%)

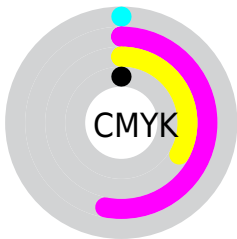
Blue (67%)



Red (100%)

Yellow (47%)

Blue (67%)

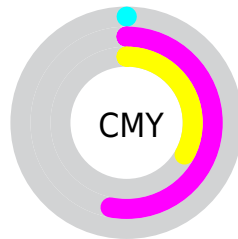


Cyan (0%)

Magenta (53%)

Yellow (33%)

Black (0%)



Cyan (0%)

Magenta (53%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.4281, 37.8750, 42.9173 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 55.4281, 37.8750, 42.9173 by changing the saturation by 10% instead.



55.4281, 37.8750,  
42.9173

55.4281, 37.8750,  
42.9173

397.6427,  
337.0835, 374.1828

39.9798, 25.8857,  
29.4893

97.3126, 71.9165,  
80.8711

27.7069, 16.7381,  
19.2025

124.4794, 94.7375,  
106.2339

18.2442, 10.0480,  
11.6384

156.2832,  
121.9378, 136.4122

11.2262, 5.4308,  
6.3784

193.0892,  
153.9019, 171.8243

6.2876, 2.5022,  
3.0040

235.2628,  
191.0141, 212.8889

3.0630, 0.8777,  
1.0967

283.1693,

1.1872, 0.0000,

233.6588, 260.0245

0.0000

337.1742,  
282.2205, 313.6496

■ 0.0962, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.4281, 37.8750,  
42.9173

■ 55.4281, 37.8750,  
42.9173

■ 51.2957, 31.9032,  
34.4713

■ 60.5655, 45.5619,  
52.6084

■ 48.0930, 27.5062,  
27.2117

■ 66.7701, 55.0784,  
63.5947

■ 45.7376, 24.5306,  
21.0773

■ 74.1024, 66.5356,  
75.9260

■ 44.1299, 22.7887,  
15.9985

■ 82.6170, 80.0343,  
89.6487

■ 43.3120, 22.0888,  
12.8411

■ 92.3652, 95.6679,  
104.8064

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.



52.1254, 37.8750, 72.1561



55.4281, 37.8750, 42.9173



52.8688, 37.8750, 22.5870

# Triad

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



55.4281, 37.8750, 42.9173



28.7020, 37.8750, 11.7655



27.8496, 37.8750, 96.6509

# Complementary

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



55.4281, 37.8750, 42.9173



54.6665, 79.9936, 70.3209

# 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.



23.1640, 37.8750, 68.0718



55.4281, 37.8750, 42.9173



23.5976, 37.8750, 20.7212

# Square

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



55.4281, 37.8750, 42.9173



36.5802, 37.8750, 9.5077



21.7411, 37.8750, 39.6059



35.4240, 37.8750, 109.9949



# Rectangle

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



55.4281, 37.8750, 42.9173



48.3811, 37.8750, 14.9027



21.7411, 37.8750, 39.6059



25.9333, 37.8750, 88.0595

# Sweetspot

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



55.4290, 37.8769, 42.9180



79.5392, 75.1352, 84.7489



49.6905, 33.6826, 98.4902



16.6468, 15.4827, 17.5320



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.



55.4290, 37.8769, 42.9180



51.1308, 31.6705, 34.1165



53.5862, 40.4298, 23.0710



18.2896, 18.0992, 20.1424



22.6976, 11.5683, 7.0580



2.2608, 1.1467, 0.9547



# Inverse Universe

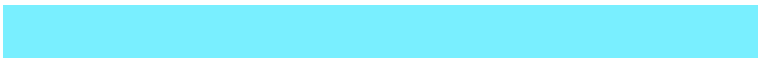
The Inverse Universe completely reimagines the original color for something new.



55.4290, 37.8769, 42.9180



51.1308, 31.6705, 34.1165



56.9104, 73.2339, 105.7438



18.2896, 18.0992, 20.1424



22.6976, 11.5683, 7.0580



2.2608, 1.1467, 0.9547



# Previews

## White Background



This preview shows how the XYZ color 55.4281, 37.8750, 42.9173 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

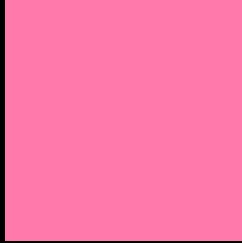
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.4281, 37.8750, 42.9173 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 55.4281, 37.8750, 42.9173**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.4281, 37.8750, 42.9173.



This preview shows how white text looks on a background with the XYZ color 55.4281, 37.8750,



# 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

55.4281, 37.8750, 42.9173

### Protanopia

37.7666, 37.9991, 58.7701

### Deuteranopia

38.8278, 38.1514, 40.9148



## Tritanopia

52.3794, 37.9399, 28.2294

# Trichromacy



## Original Color

55.4281, 37.8750, 42.9173



## Protanomaly

41.9151, 36.2800, 52.3705



## Deuteranomaly

43.5484, 36.9031, 41.3870



## Tritanomaly

53.2664, 37.7198, 32.9070

# Monochromacy



## Original Color

55.4281, 37.8750, 42.9173



## Achromatopsia

36.7301, 38.6429, 42.0822



## Achromatomaly

41.5274, 36.7820, 41.9567

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.4281, 37.8750, 42.9173 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, 121, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 121, 171)  
}
```

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, 121, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 121, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 55.4281, 37.8750, 42.9173 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, 121, 171) }
```



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

```
.border{ border-color:rgb(255, 121, 171) }
```

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

Here you see how a box with a 4 pixel rgb(255, 121, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 121, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 121, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 121,  
171) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.4281, 37.8750, 42.9173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 121, 171) }
```

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

```
.background{ background-color: rgb(255,  
121, 171) }
```

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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