

# Converting Colors

XYZ(59.4920, 39.3697, 38.0295)

Have a look what the booklet for  
XYZ(59.4920, 39.3697, 38.0295)  
contains.

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# Color

**XYZ(54.0343, 36.5558,  
37.9263)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF75A1
RGB	255, 117, 161
RGB Percent	100%, 46%, 63%
CMY	0.0000, 0.5411, 0.3686
CMYK	0.00, 0.54, 0.37, 0.00
HSL	341°, 100%, 73%
HSV	341°, 54%, 100%
XYZ	54.0343, 36.5558, 37.9263
YIQ	163.2780, 68.1240, 42.9400

# Conversions

## Conversions Part 2

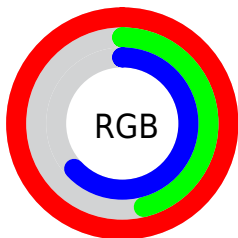
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 117, 161
Decimal	16741793
CIE <sub>Lab</sub>	66.94, 56.69, 2.28
CIE <sub>LCh</sub>	67, 56.739, 2.307
Yxy	36.5558, 0.4204, 0.2844
Android (android.graphics.Color)	4294931873 (0xFFFF75A1)
YUV	163.2780, -1.1231, 80.4402
Hunter-Lab	60.4614, 53.7179, 5.1315

# Details

The XYZ color **54.0343, 36.5558, 37.9263** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **54.8559, 80.0059, 74.1842**, and the grayscale version is **34.9280, 36.7470, 40.0174**.

A 20% lighter version of the original color is **68.5782, 56.1050, 72.1806**, and **26.7314, 15.9326, 16.4183** is the 20% darker color. If you saturate the color by 10%, you get **50.0305, 30.8317, 29.5519**, and if you desaturate by 10%, it is **59.0620, 43.9868, 47.6926**.

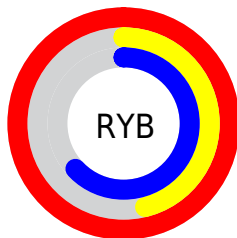
# Distribution



Red (100%)

Green (46%)

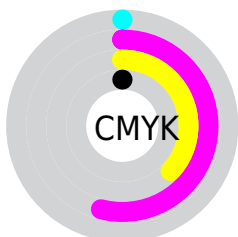
Blue (63%)



Red (100%)

Yellow (46%)

Blue (63%)

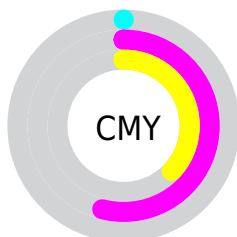


Cyan (0%)

Magenta (54%)

Yellow (37%)

Black (0%)



Cyan (0%)

Magenta (54%)


Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.0343, 36.5558, 37.9263 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 54.0343, 36.5558, 37.9263 by changing the saturation by 10% instead.




 54.0343, 36.5558,  
37.9263


 54.0343, 36.5558,  
37.9263

392.4370,  
331.3834, 352.5924


 38.8599, 24.8638,  
25.6241

 95.2812, 69.8891,  
73.1973

 26.8310, 15.9756,  
16.3194


 122.0844, 92.2991,  
97.0032

 17.5822, 9.5069,  
9.5937


 153.4945,  
119.0506, 125.4808

 10.7483, 5.0732,  
5.0283

189.8770,  
150.5279, 159.0486

 5.9639, 2.2903,  
2.2049

231.5971,  
187.1154, 198.1251

 2.8636, 0.7686,  
0.6772

279.0202,

 1.0820, 0.0000,

229.1976, 243.1289

0.0000

332.5118,  
277.1588, 294.4785

■ 0.0100, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.0343, 36.5558,  
37.9263

■ 54.0343, 36.5558,  
37.9263

■ 50.0305, 30.8317,  
29.5519

■ 59.0620, 43.9868,  
47.6926

■ 46.9714, 26.6704,  
22.4990

■ 65.1785, 53.2420,  
58.9120

■ 44.7704, 23.9138,  
16.6930

■ 72.4469, 64.4347,  
71.6442

■ 43.3217, 22.3662,  
12.0492

■ 80.9244, 77.6675,  
85.9448

■ 42.7363, 21.8585,  
9.8095

■ 90.6642, 93.0357,  
101.8665

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.



51.5478, 36.5558, 66.1304



54.0343, 36.5558, 37.9263



50.6865, 36.5558, 19.4719

# Triad

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



54.0343, 36.5558, 37.9263



26.6326, 36.5558, 11.6871



27.6103, 36.5558, 98.2169

# Complementary

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



54.0343, 36.5558, 37.9263



54.8559, 80.0059, 74.1842

# 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.



22.5549, 36.5558, 70.8730



54.0343, 36.5558, 37.9263



22.0594, 36.5558, 21.5955

# Square

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



54.0343, 36.5558, 37.9263



34.0836, 36.5558, 8.7513



20.6984, 36.5558, 41.7407



35.4153, 36.5558, 108.3891



# Rectangle

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



54.0343, 36.5558, 37.9263



45.8732, 36.5558, 12.8519



20.6984, 36.5558, 41.7407



25.5802, 36.5558, 90.2945

# Sweetspot

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



54.0353, 36.5577, 37.9270



79.2310, 75.0119, 83.1260



50.7075, 33.5002, 98.4013



16.5738, 15.4535, 17.1477



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.



54.0353, 36.5577, 37.9270



49.7226, 30.4022, 28.8751



53.8304, 41.3027, 21.9672



18.2480, 18.0825, 19.9230



22.3903, 11.4454, 5.4400



2.2273, 1.1333, 0.7784



# Inverse Universe

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



54.0353, 36.5577, 37.9270



49.7226, 30.4022, 28.8751



54.2442, 68.7164, 105.0123



18.2480, 18.0825, 19.9230



22.3903, 11.4454, 5.4400

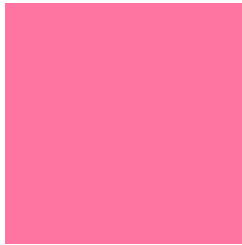


2.2273, 1.1333, 0.7784



# Previews

## White Background



This preview shows how the XYZ color 54.0343, 36.5558, 37.9263 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 54.0343, 36.5558, 37.9263 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 54.0343, 36.5558, 37.9263**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.0343, 36.5558, 37.9263.



This preview shows how white text looks on a background with the XYZ color 54.0343, 36.5558,

37.9263.

# 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

54.0343, 36.5558, 37.9263

### Protanopia

36.2955, 36.8424, 52.7753

### Deuteranopia

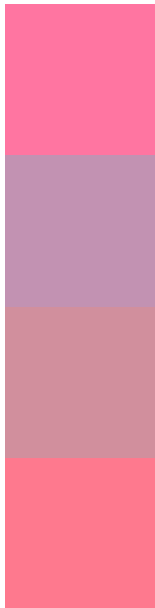
37.4347, 36.7654, 36.1338



## Tritanopia

51.6877, 36.6873, 25.8298

# Trichromacy



## Original Color

54.0343, 36.5558, 37.9263

## Protanomaly

40.5629, 35.2415, 46.7839

## Deuteranomaly

42.2028, 35.6346, 36.5521

## Tritanomaly

52.5929, 36.6986, 29.9028

# Monochromacy



## Original Color

54.0343, 36.5558, 37.9263

## Achromatopsia

34.8123, 36.6253, 39.8849

## Achromatomaly

39.5654, 34.9022, 38.8339

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.0343, 36.5558, 37.9263 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, 161)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 161)  
}
```

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, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 54.0343, 36.5558, 37.9263 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, 161) }
```



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

```
.border{ border-color:rgb(255, 117, 161) }
```

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, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 161);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
161) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.0343, 36.5558, 37.9263 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, 161) }
```

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

```
.background{ background-color: rgb(255,  
117, 161) }
```

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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