

# Converting Colors

XYZ(55.0482, 37.2830, 44.8024)

Have a look what the booklet for  
XYZ(55.0482, 37.2830, 44.8024)  
contains.

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# Color

**XYZ(55.2077, 37.3596,  
44.8588)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FE77AF
RGB	254, 119, 175
RGB Percent	100%, 47%, 69%
CMY	0.0039, 0.5333, 0.3137
CMYK	0.00, 0.53, 0.31, 0.00
HSL	335°, 99%, 73%
HSV	335°, 53%, 100%
XYZ	55.2077, 37.3596, 44.8588
YIQ	165.7490, 62.4840, 46.0360

# Conversions

## Conversions Part 2

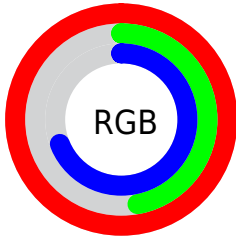
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	254, 119, 175
Decimal	16676783
CIE <sub>Lab</sub>	67.55, 57.07, -4.77
CIE <sub>LCh</sub>	68, 57.268, 355.218
Yxy	37.3596, 0.4017, 0.2719
Android (android.graphics.Color)	4294866863 (0xFFFE77AF)
YUV	165.7490, 4.5607, 77.3961
Hunter-Lab	61.1225, 54.2623, -0.7281

# Details

The XYZ color **55.2077, 37.3596, 44.8588** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **53.2445, 78.8837, 65.8501**, and the grayscale version is **36.0832, 37.9623, 41.3410**.

A 20% lighter version of the original color is **70.8529, 57.6331, 82.2529**, and **27.6008, 16.4544, 20.4602** is the 20% darker color. If you saturate the color by 10%, you get **51.1981, 31.5495, 36.7115**, and if you desaturate by 10%, it is **60.1877, 44.8529, 54.1232**.

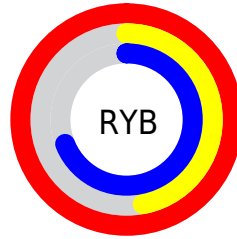
# Distribution



Red (100%)

Green (47%)

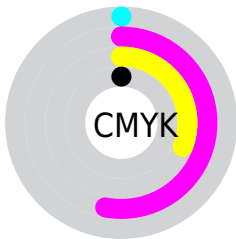
Blue (69%)



Red (100%)

Yellow (47%)

Blue (69%)

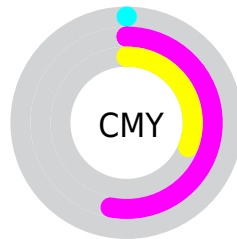


Cyan (0%)

Magenta (53%)

Yellow (31%)

Black (0%)



Cyan (0%)

Magenta (53%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.2077, 37.3596, 44.8588 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 55.2077, 37.3596, 44.8588 by changing the saturation by 10% instead.





 55.2077, 37.3596,  
44.8588


 55.2077, 37.3596,  
44.8588

396.8224,  
334.8648, 382.3448


 39.8025, 25.4860,  
31.0041


 96.9917, 71.1255,  
83.8247

 27.5681, 16.4395,  
20.3435


 124.1013, 93.7866,  
109.7729

 18.1392, 9.8357,  
12.4584


 155.8431,  
120.8124, 140.5895

 11.1502, 5.2902,  
6.9304

192.5825,  
152.5872, 176.6928

 6.2360, 2.4185,  
3.3408

234.6847,  
189.4955, 218.5014

 3.0311, 0.8354,  
1.2712

282.5152,

 1.1703, 0.0000,

231.9216, 266.4340

0.0380

336.4393,  
280.2499, 320.9089

■ 0.0827, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.2077, 37.3596,  
44.8588

■ 55.2077, 37.3596,  
44.8588

■ 51.1981, 31.5495,  
36.7115

■ 60.1877, 44.8529,  
54.1232

■ 48.0846, 27.2830,  
29.6299

■ 66.1986, 54.1430,  
64.5482

■ 45.7867, 24.4073,  
23.5606

■ 73.2993, 65.3400,  
76.1772

■ 44.2058, 22.7348,  
18.4424

■ 81.5433, 78.5437,  
89.0503

■ 43.4412, 22.0981,  
15.4365

■ 90.9805, 93.8468,  
103.2058

94.6831, 99.8108,  
108.8828

# Harmonies

## Analogous

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



51.3196, 37.3596, 75.1072



55.2077, 37.3596, 44.8588



53.1463, 37.3596, 23.3109

# Triad

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



55.2077, 37.3596, 44.8588



28.7694, 37.3596, 10.6796



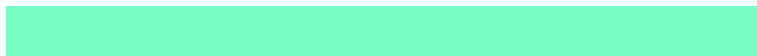
26.6953, 37.3596, 94.9548

# Complementary

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



55.2077, 37.3596, 44.8588



53.2445, 78.8837, 65.8501

# 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.



22.2821, 37.3596, 65.0485



55.2077, 37.3596, 44.8588



23.3335, 37.3596, 18.8036

# Square

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



55.2077, 37.3596, 44.8588



36.9404, 37.3596, 8.9552



21.1613, 37.3596, 36.7659



34.1154, 37.3596, 110.7112



# Rectangle

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



55.2077, 37.3596, 44.8588



48.8293, 37.3596, 15.0450



21.1613, 37.3596, 36.7659



24.8627, 37.3596, 85.7470

# Sweetspot

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



55.2088, 37.3615, 44.8595



79.7784, 75.2309, 86.0089



47.7108, 32.3235, 97.4904



16.7036, 15.5054, 17.8308



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.



55.2088, 37.3615, 44.8595



51.3508, 31.4000, 36.3801



52.2202, 38.4367, 22.1219



18.3218, 18.1120, 20.3119



22.9720, 11.6781, 8.5032



2.2896, 1.1582, 1.1063



# Inverse Universe

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



55.2088, 37.3615, 44.8595



51.3508, 31.4000, 36.3801



57.4742, 75.0303, 105.2191



18.3218, 18.1120, 20.3119



22.9720, 11.6781, 8.5032



2.2896, 1.1582, 1.1063



# Previews

## White Background



This preview shows how the XYZ color 55.2077, 37.3596, 44.8588 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

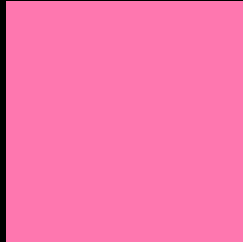
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.2077, 37.3596, 44.8588 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 55.2077, 37.3596, 44.8588**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.2077, 37.3596, 44.8588.



This preview shows how white text looks on a background with the XYZ color 55.2077, 37.3596,



# 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

55.2077, 37.3596, 44.8588

### Protanopia

37.5870, 37.5741, 61.7714

### Deuteranopia

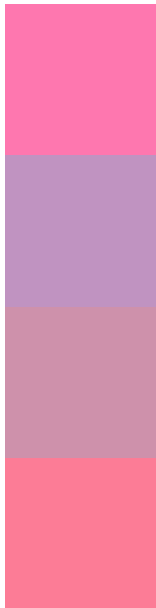
38.2291, 37.5525, 42.2792



## Tritanopia

51.8170, 37.4655, 27.7931

# Trichromacy



**Original Color**

55.2077, 37.3596, 44.8588

**Protanomaly**

41.7976, 35.9242, 55.1832

**Deuteranomaly**

42.9297, 36.3129, 43.2745

**Tritanomaly**

52.8576, 37.3128, 33.2703

# Monochromacy



**Original Color**

55.2077, 37.3596, 44.8588

**Achromatopsia**

36.2450, 38.1326, 41.5264

**Achromatomaly**

41.1976, 36.3652, 42.3840

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.2077, 37.3596, 44.8588 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(254, 119, 175)` looks like.

```
.text, #text, p{  
    color:rgb(254, 119, 175)  
}
```

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(254, 119, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 119, 175) }
```

## Border

The CSS property to change the border of an element to XYZ 55.2077, 37.3596, 44.8588 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(254, 119, 175) }
```



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

```
.border{ border-color:rgb(254, 119, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 119, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 119, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 119, 175);  
box-shadow:4px 4px 4px 4px rgb(254, 119,  
175) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.2077, 37.3596, 44.8588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 119, 175) }
```

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

```
.background{ background-color: rgb(254,  
119, 175) }
```

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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