

# Converting Colors

XYZ(54.9727, 42.6677, 42.6093)

Have a look what the booklet for  
XYZ(54.9727, 42.6677, 42.6093)  
contains.

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# Color

**XYZ(55.0030, 42.7974,  
42.4075)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F592A8
RGB	245, 146, 168
RGB Percent	96%, 57%, 66%
CMY	0.0392, 0.4274, 0.3412
CMYK	0.00, 0.40, 0.31, 0.04
HSL	347°, 83%, 77%
HSV	347°, 40%, 96%
XYZ	55.0030, 42.7974, 42.4075
YIQ	178.1090, 51.9420, 27.8300

# Conversions

## Conversions Part 2

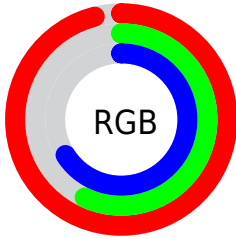
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 146, 168
Decimal	16093864
CIE <sub>Lab</sub>	71.42, 39.87, 4.66
CIE <sub>LCh</sub>	71, 40.137, 6.670
Yxy	42.7974, 0.3923, 0.3052
Android (android.graphics.Color)	4294283944 (0xFF592A8)
YUV	178.1090, -4.9837, 58.6634
Hunter-Lab	65.4197, 35.5931, 7.3598

# Details

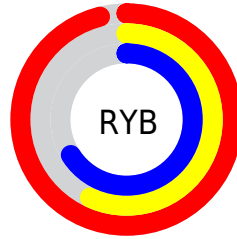
The XYZ color **55.0030, 42.7974, 42.4075** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **57.8278, 76.7447, 81.5816**, and the grayscale version is **42.3820, 44.5892, 48.5576**.

A 20% lighter version of the original color is **75.4459, 68.3610, 79.0306**, and **27.3164, 19.5288, 18.8527** is the 20% darker color. If you saturate the color by 10%, you get **49.9758, 35.3789, 32.6053**, and if you desaturate by 10%, it is **61.1020, 51.9426, 53.8515**.

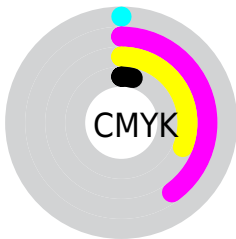
# Distribution



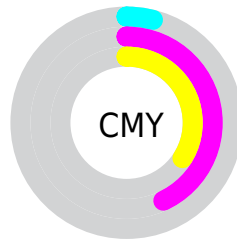
- Red (96%)
- Green (57%)
- Blue (66%)



- Red (96%)
- Yellow (57%)
- Blue (66%)



- Cyan (0%)
- Magenta (40%)
- Yellow (31%)
- Black (4%)




- Cyan (4%)
- Magenta (43%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.0030, 42.7974, 42.4075 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 55.0030, 42.7974, 42.4075 by changing the saturation by 10% instead.





 55.0030, 42.7974,  
42.4075


 55.0030, 42.7974,  
42.4075

396.0595,  
357.7779, 372.0188

 39.6380, 29.7262,  
29.0926

 96.6936, 79.4050,  
80.0927

 27.4393, 19.6308,  
18.9047


 123.7500,  
103.7103, 105.3001

 18.0417, 12.1270,  
11.4253


155.4341,  
132.5289, 135.3087

 11.0798, 6.8302,  
6.2359

192.1114,  
166.2454, 170.5370

 6.1882, 3.3562,  
2.9180

234.1473,  
205.2442, 211.4037

 3.0016, 1.3204,  
1.0529

281.9070,

 1.1546, 0.1569,

249.9096, 258.3271

0.0000

335.7560,  
300.6260, 311.7260

■ 0.0701, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.0030, 42.7974,  
42.4075

■ 55.0030, 42.7974,  
42.4075

■ 49.9758, 35.3789,  
32.6053

■ 61.1020, 51.9426,  
53.8515

■ 45.9533, 29.5718,  
24.3655

■ 68.3273, 62.9075,  
67.0064

■ 42.8665, 25.2570,  
17.6060

■ 76.7341, 75.7859,  
81.9402

■ 40.6354, 22.2957,  
12.2354

■ 86.3727, 90.6634,  
98.7165

■ 39.1661, 20.5229,  
8.1514

■ 91.4663, 98.1525,  
108.7323

■ 38.3324, 19.6830,  
5.3226

# Harmonies

## Analogous

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



53.8195, 42.7974, 62.9523



55.0030, 42.7974, 42.4075



52.0204, 42.7974, 27.7146

# Triad

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



55.0030, 42.7974, 42.4075



33.3979, 42.7974, 22.6625



35.7437, 42.7974, 89.8243

# Complementary

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



55.0030, 42.7974, 42.4075



57.8278, 76.7447, 81.5816

# 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.



31.1166, 42.7974, 72.5554



55.0030, 42.7974, 42.4075



29.8708, 42.7974, 33.3557

# Square

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



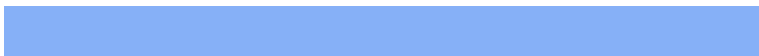
55.0030, 42.7974, 42.4075



39.1864, 42.7974, 18.5405



29.0843, 42.7974, 51.0582



42.2062, 42.7974, 94.2184



# Rectangle

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



55.0030, 42.7974, 42.4075



48.2464, 42.7974, 21.9016



29.0843, 42.7974, 51.0582



33.9450, 42.7974, 85.1385

# Sweetspot

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



55.0042, 42.7995, 42.4083



82.4552, 80.5673, 86.9537



56.8555, 42.6664, 91.6253



17.3807, 16.8332, 18.1383



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.



55.0042, 42.7995, 42.4083



55.9001, 40.4566, 38.0263



57.6748, 51.1475, 34.0294



16.6499, 16.5428, 17.9028



20.6927, 10.6205, 3.0901



1.8558, 0.9483, 0.4670



# Inverse Universe

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



55.0042, 42.7995, 42.4083



55.9001, 40.4566, 38.0263



53.5645, 63.1598, 95.7544



16.6499, 16.5428, 17.9028



20.6927, 10.6205, 3.0901



1.8558, 0.9483, 0.4670



# Previews

## White Background



This preview shows how the XYZ color 55.0030, 42.7974, 42.4075 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 55.0030, 42.7974, 42.4075 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 55.0030, 42.7974, 42.4075**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.0030, 42.7974, 42.4075.



This preview shows how white text looks on a background with the XYZ color 55.0030, 42.7974,



# 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

55.0030, 42.7974, 42.4075

### Protanopia

41.6923, 42.9629, 51.4427

### Deuteranopia

43.9148, 42.9266, 41.0931



## Tritanopia

54.1561, 42.9161, 38.2302

# Trichromacy



## Original Color

55.0030, 42.7974, 42.4075

## Protanomaly

45.3987, 42.1828, 47.8688

## Deuteranomaly

47.2680, 42.5025, 41.3098

## Tritanomaly

54.2635, 42.7092, 39.5661

# Monochromacy



## Original Color

55.0030, 42.7974, 42.4075

## Achromatopsia

42.3164, 44.5201, 48.4824

## Achromatomaly

45.6333, 42.8850, 45.9169

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.0030, 42.7974, 42.4075 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(245, 146, 168)` looks like.

```
.text, #text, p{  
    color:rgb(245, 146, 168)  
}
```

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(245, 146, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 146, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 55.0030, 42.7974, 42.4075 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(245, 146, 168) }
```



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

```
.border{ border-color:rgb(245, 146, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 146, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 146, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 146, 168);  
box-shadow:4px 4px 4px 4px rgb(245, 146,  
168) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.0030, 42.7974, 42.4075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 146, 168) }
```

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

```
.background{ background-color: rgb(245,  
146, 168) }
```

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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