

# Converting Colors

XYZ(57.1777, 41.5309, 43.0174)

Have a look what the booklet for  
XYZ(57.1777, 41.5309, 43.0174)  
contains.

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# Color

**XYZ(57.1597, 41.4902,  
43.0260)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF87AA
RGB	255, 135, 170
RGB Percent	100%, 53%, 67%
CMY	0.0000, 0.4706, 0.3333
CMYK	0.00, 0.47, 0.33, 0.00
HSL	343°, 100%, 76%
HSV	343°, 47%, 100%
XYZ	57.1597, 41.4902, 43.0260
YIQ	174.8700, 60.2850, 36.3250

# Conversions

## Conversions Part 2

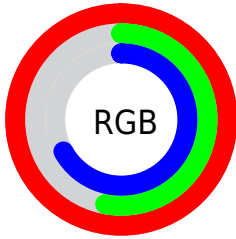
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 135, 170
Decimal	16746410
CIE <sub>Lab</sub>	70.52, 49.12, 2.40
CIE <sub>LCh</sub>	71, 49.177, 2.803
Yxy	41.4902, 0.4035, 0.2929
Android (android.graphics.Color)	4294936490 (0xFFFF87AA)
YUV	174.8700, -2.4009, 70.2740
Hunter-Lab	64.4129, 45.6775, 5.4850

# Details

The XYZ color **57.1597, 41.4902, 43.0260** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **58.6719, 81.8391, 80.4186**, and the grayscale version is **40.6717, 42.7898, 46.5981**.

A 20% lighter version of the original color is **73.4614, 63.9578, 79.7074**, and **28.7181, 18.7950, 19.2537** is the 20% darker color. If you saturate the color by 10%, you get **52.4253, 34.5707, 33.5887**, and if you desaturate by 10%, it is **62.9829, 50.2114, 53.9855**.

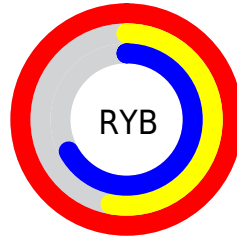
# Distribution



Red (100%)

Green (53%)

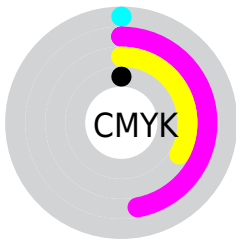
Blue (67%)



Red (100%)

Yellow (53%)

Blue (67%)

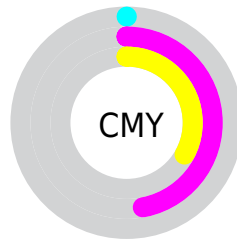


Cyan (0%)

Magenta (47%)

Yellow (33%)

Black (0%)



Cyan (0%)

Magenta (47%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.1597, 41.4902, 43.0260 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 57.1597, 41.4902, 43.0260 by changing the saturation by 10% instead.





 57.1597, 41.4902,  
43.0260


 57.1597, 41.4902,  
43.0260


404.0520,  
352.3652, 374.6430

 41.3741, 28.7023,  
29.5740

 99.8282, 77.4275,  
81.0369

 28.8005, 18.8557,  
19.2661

 127.4418,  
101.3457, 106.4328

 19.0735, 11.5661,  
11.6840


 159.7288,  
129.7427, 136.6471

 11.8277, 6.4490,  
6.4090

197.0545,  
163.0031, 172.0983

 6.6978, 3.1199,  
3.0225

239.7844,  
201.5111, 213.2049

 3.3185, 1.1947,  
1.1062

288.2836,

 1.3243, 0.0573,

245.6512, 260.3856

0.0000

342.9177,  
295.8078, 314.0588

■ 0.2013, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.1597, 41.4902,  
43.0260

■ 57.1597, 41.4902,  
43.0260

■ 52.4253, 34.5707,  
33.5887

■ 62.9829, 50.2114,  
53.9855

■ 48.7052, 29.3195,  
25.6005

■ 69.9565, 60.8432,  
66.5307

■ 45.9201, 25.5940,  
18.9853

■ 78.1409, 73.4931,  
80.7240

■ 43.9768, 23.2252,  
13.6579

■ 87.5915, 88.2586,  
96.6239

■ 42.7578, 21.9975, 95.0500, 100.0000,  
9.5207 108.9000

■ 42.4884, 21.7594,  
8.5041

# Harmonies

## Analogous

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



55.0022, 41.4902, 68.8281



57.1597, 41.4902, 43.0260



54.0554, 41.4902, 25.0364

# Triad

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



57.1597, 41.4902, 43.0260



31.5729, 41.4902, 17.0663



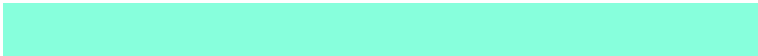
32.7259, 41.4902, 97.7068

# Complementary

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



57.1597, 41.4902, 43.0260



58.6719, 81.8391, 80.4186

# 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.



27.7219, 41.4902, 73.9612



57.1597, 41.4902, 43.0260



27.1231, 41.4902, 27.6773

# Square

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



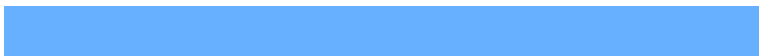
57.1597, 41.4902, 43.0260



38.6772, 41.4902, 13.6313



25.8153, 41.4902, 47.3960



40.2030, 41.4902, 106.1088



# Rectangle

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



57.1597, 41.4902, 43.0260



49.6387, 41.4902, 18.1138



25.8153, 41.4902, 47.3960



30.7355, 41.4902, 90.9296

# Sweetspot

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



57.1607, 41.4922, 43.0268



80.8923, 77.7767, 85.3994



55.9290, 39.6103, 99.3055



16.8959, 15.9957, 17.5689



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.



57.1607, 41.4922, 43.0268



52.8761, 35.2205, 34.5156



58.0128, 47.8077, 29.0945



18.2272, 18.0742, 19.8138



22.2571, 11.3921, 4.7384



2.2122, 1.1273, 0.6990



# Inverse Universe

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



57.1607, 41.4922, 43.0268



52.8761, 35.2205, 34.5156



56.6191, 69.5241, 105.0431



18.2272, 18.0742, 19.8138



22.2571, 11.3921, 4.7384



2.2122, 1.1273, 0.6990



# Previews

## White Background



This preview shows how the XYZ color 57.1597, 41.4902, 43.0260 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

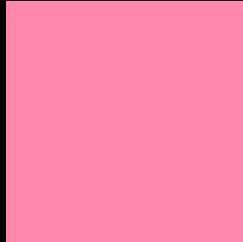
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.1597, 41.4902, 43.0260 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

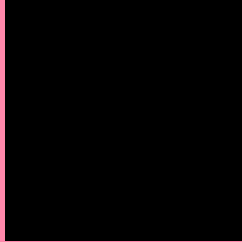
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 57.1597, 41.4902, 43.0260**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.1597, 41.4902, 43.0260.



This preview shows how white text looks on a background with the XYZ color 57.1597, 41.4902,



# 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

57.1597, 41.4902, 43.0260

### Protanopia

40.8445, 41.8569, 55.7956

### Deuteranopia

42.6026, 41.6915, 41.3992



## Tritanopia

55.1654, 41.5178, 33.5400

# Trichromacy



## Original Color

57.1597, 41.4902, 43.0260



## Protanomaly

45.1373, 40.6745, 50.8194



## Deuteranomaly

47.0153, 40.8316, 41.9625



## Tritanomaly

56.0473, 41.6821, 36.9897

# Monochromacy



## Original Color

57.1597, 41.4902, 43.0260



## Achromatopsia

40.7470, 42.8690, 46.6844



## Achromatomaly

45.0155, 40.9961, 45.0756

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.1597, 41.4902, 43.0260 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, 135, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 170)  
}
```

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, 135, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 57.1597, 41.4902, 43.0260 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, 135, 170) }
```



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

```
.border{ border-color:rgb(255, 135, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 135, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
170) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.1597, 41.4902, 43.0260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 170) }
```

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

```
.background{ background-color: rgb(255,  
135, 170) }
```

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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