

# Converting Colors

XYZ(57.9468, 43.0062, 43.4682)

Have a look what the booklet for  
XYZ(57.9468, 43.0062, 43.4682)  
contains.

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# Color

**XYZ(57.8738, 42.9184,  
43.2640)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8CAA
RGB	255, 140, 170
RGB Percent	100%, 55%, 67%
CMY	0.0000, 0.4510, 0.3333
CMYK	0.00, 0.45, 0.33, 0.00
HSL	344°, 100%, 77%
HSV	344°, 45%, 100%
XYZ	57.8738, 42.9184, 43.2640
YIQ	177.8050, 58.9100, 33.7100

# Conversions

## Conversions Part 2

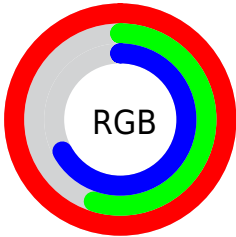
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 140, 170
Decimal	16747690
CIE <sub>Lab</sub>	71.50, 46.64, 3.83
CIE <sub>LCh</sub>	71, 46.794, 4.691
Yxy	42.9184, 0.4017, 0.2979
Android (android.graphics.Color)	4294937770 (0xFFFF8CAA)
YUV	177.8050, -3.8479, 67.7000
Hunter-Lab	65.5121, 43.0417, 6.7036

# Details

The XYZ color **57.8738, 42.9184, 43.2640** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.1678, 82.5326, 83.9976**, and the grayscale version is **42.2129, 44.4112, 48.3638**.

A 20% lighter version of the original color is **74.5705, 66.1761, 80.0771**, and **29.1839, 19.7265, 19.4090** is the 20% darker color. If you saturate the color by 10%, you get **52.9129, 35.6486, 33.4350**, and if you desaturate by 10%, it is **63.9557, 52.0211, 54.7288**.

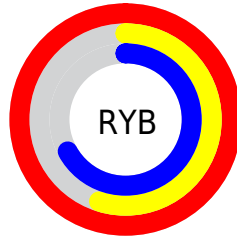
# Distribution



Red (100%)

Green (55%)

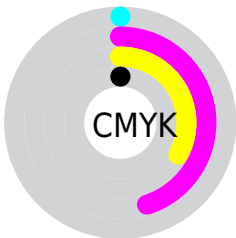
Blue (67%)



Red (100%)

Yellow (55%)

Blue (67%)

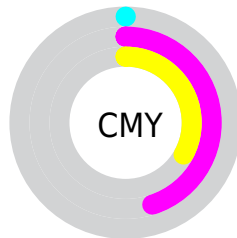


Cyan (0%)

Magenta (45%)

Yellow (33%)

Black (0%)



Cyan (0%)

Magenta (45%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.8738, 42.9184, 43.2640 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 57.8738, 42.9184, 43.2640 by changing the saturation by 10% instead.





 57.8738, 42.9184,  
43.2640


 57.8738, 42.9184,  
43.2640


406.6770,  
358.2761, 375.6494


 41.9501, 29.8211,  
29.7594


 100.8631, 79.5877,  
81.3997

 29.2531, 19.7028,  
19.4055


 128.6593,  
103.9285, 106.8679

 19.4176, 12.1792,  
11.7839


 161.1438,  
132.7859, 137.1610

 12.0782, 6.8659,  
6.4759

198.6819,  
166.5443, 172.6976

 6.8696, 3.3783,  
3.0632

241.6389,  
205.5882, 213.8962

 3.4263, 1.3323,  
1.1270

290.3801,

 1.3830, 0.1660,

250.3018, 261.1753

0.0000

345.2711,  
301.0697, 314.9535

■ 0.2441, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.8738, 42.9184,  
43.2640

■ 57.8738, 42.9184,  
43.2640

■ 52.9129, 35.6486,  
33.4350

■ 63.9557, 52.0211,  
54.7288

■ 48.9986, 30.0802,  
25.1624

■ 71.2204, 63.0638,  
67.8990

■ 46.0520, 26.0739,  
18.3629

■ 79.7286, 76.1529,  
82.8426

■ 43.9810, 23.4657,  
12.9441

■ 89.5361, 91.3851,  
99.6235

■ 42.6738, 22.0538, 95.0500, 100.0000,  
8.8010 108.9000

■ 42.2386, 21.6594,  
7.1883

# Harmonies

## Analogous

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



56.1160, 42.9184, 67.8945



57.8738, 42.9184, 43.2640



54.5941, 42.9184, 26.0936

# Triad

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



57.8738, 42.9184, 43.2640



32.7468, 42.9184, 19.3198



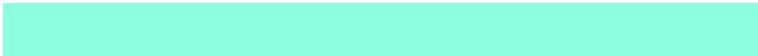
34.6399, 42.9184, 98.0951

# Complementary

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



57.8738, 42.9184, 43.2640



60.1678, 82.5326, 83.9976

# 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.



29.5385, 42.9184, 76.1066



57.8738, 42.9184, 43.2640



28.5484, 42.9184, 30.4972

# Square

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



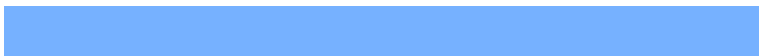
57.8738, 42.9184, 43.2640



39.5635, 42.9184, 15.4090



27.4540, 42.9184, 50.3781



42.0470, 42.9184, 104.8484



# Rectangle

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



57.8738, 42.9184, 43.2640



50.2129, 42.9184, 19.4695



27.4540, 42.9184, 50.3781



32.6310, 42.9184, 91.9565

# Sweetspot

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



57.8749, 42.9205, 43.2648



80.7386, 77.7152, 84.5900



58.2735, 41.8791, 99.6199



16.8587, 15.9808, 17.3735



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.



57.8749, 42.9205, 43.2648



53.4040, 36.3597, 34.4344



59.7633, 50.7320, 31.4560



18.2038, 18.0648, 19.6905



22.1220, 11.3381, 4.0271



2.1964, 1.1209, 0.6158



# Inverse Universe

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



57.8749, 42.9205, 43.2648



53.4040, 36.3597, 34.4344



56.6561, 68.3755, 104.8194



18.2038, 18.0648, 19.6905



22.1220, 11.3381, 4.0271

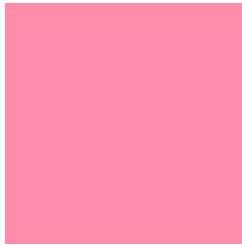


2.1964, 1.1209, 0.6158



# Previews

## White Background



This preview shows how the XYZ color 57.8738, 42.9184, 43.2640 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

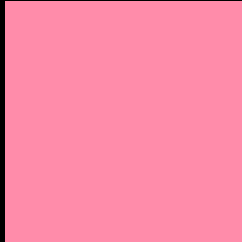
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.8738, 42.9184, 43.2640 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 57.8738, 42.9184, 43.2640**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.8738, 42.9184, 43.2640.



This preview shows how white text looks on a background with the XYZ color 57.8738, 42.9184,



# 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

57.8738, 42.9184, 43.2640

### Protanopia

41.8859, 42.9885, 54.8052

### Deuteranopia

43.9312, 43.2018, 41.6207



## Tritanopia

56.4453, 43.0157, 35.4649

# Trichromacy



## Original Color

57.8738, 42.9184, 43.2640



## Protanomaly

46.0962, 41.9561, 50.4685



## Deuteranomaly

47.9885, 42.3380, 42.2020



## Tritanomaly

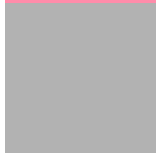
56.8041, 42.9200, 38.0914

# Monochromacy



## Original Color

57.8738, 42.9184, 43.2640



## Achromatopsia

42.3164, 44.5201, 48.4824



## Achromatomaly

46.4669, 42.7679, 46.3634

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.8738, 42.9184, 43.2640 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, 140, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 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, 140, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 57.8738, 42.9184, 43.2640 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, 140, 170) }
```



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

```
.border{ border-color:rgb(255, 140, 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, 140, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
170) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.8738, 42.9184, 43.2640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 170) }
```

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

```
.background{ background-color: rgb(255,  
140, 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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