

# Converting Colors

XYZ(59.0138, 42.4562, 52.0982)

Have a look what the booklet for  
XYZ(59.0138, 42.4562, 52.0982)  
contains.

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# Color

**XYZ(59.0138, 42.4562,  
52.0982)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF88BB
RGB	255, 136, 187
RGB Percent	100%, 53%, 73%
CMY	0.0000, 0.4666, 0.2667
CMYK	0.00, 0.47, 0.27, 0.00
HSL	334°, 100%, 77%
HSV	334°, 47%, 100%
XYZ	59.0138, 42.4562, 52.0982
YIQ	177.3950, 54.5530, 41.0890

# Conversions

## Conversions Part 2

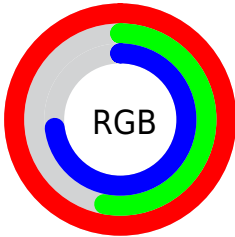
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 136, 187
Decimal	16746683
CIE Lab	71.18, 50.76, -6.11
CIE LCh	71, 51.127, 353.135
Yxy	42.4562, 0.3843, 0.2765
Android (android.graphics.Color)	4294936763 (0xFFFF88BB)
YUV	177.3950, 4.7353, 68.0596
Hunter-Lab	65.1584, 47.6397, -1.7951

# Details

The XYZ color **59.0138, 42.4562, 52.0982** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **56.8143, 81.1148, 69.7930**, and the grayscale version is **41.9546, 44.1395, 48.0680**.

A 20% lighter version of the original color is **76.2673, 65.4303, 93.4036**, and **30.0853, 19.4916, 24.7308** is the 20% darker color. If you saturate the color by 10%, you get **54.3585, 35.5167, 43.2364**, and if you desaturate by 10%, it is **64.6838, 51.1714, 62.0802**.

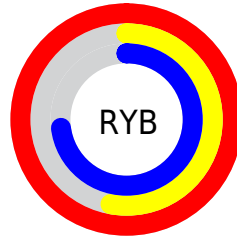
# Distribution



Red (100%)

Green (53%)

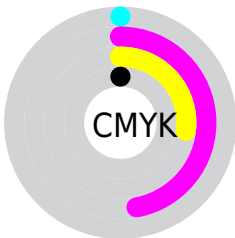
Blue (73%)



Red (100%)

Yellow (53%)

Blue (73%)

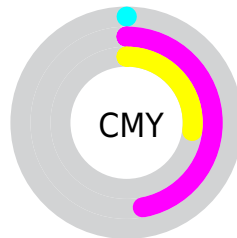


Cyan (0%)

Magenta (47%)

Yellow (27%)

Black (0%)



Cyan (0%)

Magenta (47%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.0138, 42.4562, 52.0982 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 59.0138, 42.4562, 52.0982 by changing the saturation by 10% instead.




 59.0138, 42.4562,  
52.0982


 59.0138, 42.4562,  
52.0982


410.8463,  
356.3706, 411.7833


 42.8706, 29.4587,  
36.7006


 102.5122, 78.8896,  
94.7041

 29.9777, 19.4281,  
24.6818


 130.5982,  
103.0943, 122.7495

 19.9697, 11.9800,  
15.6233


 163.3959,  
131.8034, 155.8478

 12.4811, 6.7301,  
9.1065

201.2705,  
165.4015, 194.4177

 7.1468, 3.2939,  
4.7130

244.5875,  
204.2728, 238.8776

 3.6012, 1.2870,  
2.0241

293.7122,

 1.4791, 0.1311,

248.8019, 289.6462

0.5700

349.0100,  
299.3730, 347.1419

■ 0.3115, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.0138, 42.4562,  
52.0982

■ 59.0138, 42.4562,  
52.0982

■ 54.3585, 35.5167,  
43.2364

■ 64.6838, 51.1714,  
62.0802

■ 50.6483, 30.2218,  
35.4470

■ 71.4253, 61.7691,  
73.2222

■ 47.8097, 26.4321,  
28.6818

■ 79.2943, 74.3545,  
85.5647

■ 45.7556, 23.9818,  
22.8861

■ 88.3423, 89.0235,  
99.1451

■ 44.3776, 22.6628, 95.0500, 100.0000,  
17.9969 108.9000

■ 44.0154, 22.3701,  
16.5448

# Harmonies

## Analogous

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



55.0168, 42.4562, 80.6934



59.0138, 42.4562, 52.0982



57.4731, 42.4562, 30.0610

# Triad

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



59.0138, 42.4562, 52.0982



34.2219, 42.4562, 15.0037



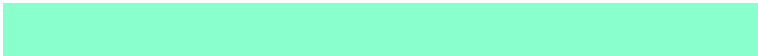
31.2568, 42.4562, 95.1665

# Complementary

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



59.0138, 42.4562, 52.0982



56.8143, 81.1148, 69.7930

# 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.



27.0234, 42.4562, 67.3474



59.0138, 42.4562, 52.0982



28.5585, 42.4562, 23.3106

# Square

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



59.0138, 42.4562, 52.0982



42.3543, 42.4562, 13.4304



26.1105, 42.4562, 40.8154



38.4165, 42.4562, 110.6537



# Rectangle

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



59.0138, 42.4562, 52.0982



53.6053, 42.4562, 20.8953



26.1105, 42.4562, 40.8154



29.4880, 42.4562, 86.5598

# Sweetspot

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



59.0149, 42.4582, 52.0990



81.5874, 78.0547, 89.0598



51.6028, 37.5882, 99.1432



17.0641, 16.0630, 18.4551



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.



59.0149, 42.4582, 52.0990



54.6375, 35.9250, 43.7909



55.6486, 42.9661, 28.6555



18.3325, 18.1163, 20.3680



23.0702, 11.7174, 9.0202



2.2997, 1.1622, 1.1595



# Inverse Universe

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



59.0149, 42.4582, 52.0990



54.6375, 35.9250, 43.7909



61.4858, 79.0174, 106.6190



18.3325, 18.1163, 20.3680



23.0702, 11.7174, 9.0202



2.2997, 1.1622, 1.1595



# Previews

## White Background



This preview shows how the XYZ color 59.0138, 42.4562, 52.0982 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 59.0138, 42.4562, 52.0982 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

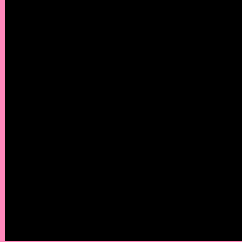
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 59.0138, 42.4562, 52.0982

## Background



This preview shows how black text looks on a background with the XYZ color 59.0138, 42.4562, 52.0982.



This preview shows how white text looks on a background with the XYZ color 59.0138, 42.4562,



# 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

59.0138, 42.4562, 52.0982

### Protanopia

42.6378, 42.8058, 67.6431

### Deuteranopia

43.5147, 42.5309, 49.6319



## Tritanopia

55.5677, 42.3414, 35.3810

# Trichromacy



## Original Color

59.0138, 42.4562, 52.0982



## Protanomaly

46.7847, 41.5480, 61.4309



## Deuteranomaly

48.0448, 41.6790, 50.3124



## Tritanomaly

56.6776, 42.3554, 40.7855

# Monochromacy



## Original Color

59.0138, 42.4562, 52.0982



## Achromatopsia

41.7894, 43.9657, 47.8787



## Achromatomaly

46.4377, 42.1560, 49.4055

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.0138, 42.4562, 52.0982 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, 136, 187)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 187)  
}
```

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, 136, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 187) }
```

## Border

The CSS property to change the border of an element to XYZ 59.0138, 42.4562, 52.0982 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, 136, 187) }
```



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

```
.border{ border-color:rgb(255, 136, 187) }
```

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

Here you see how a box with a 4 pixel rgb(255, 136, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 187);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
187) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.0138, 42.4562, 52.0982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 136, 187) }
```

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

```
.background{ background-color: rgb(255,  
136, 187) }
```

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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