

# Converting Colors

XYZ(59.3003, 43.0369, 45.3138)

Have a look what the booklet for  
XYZ(59.3003, 43.0369, 45.3138)  
contains.

<b>XYZ(57.8256, 42.2073, 45.1435)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(57.8256, 42.2073,  
45.1435)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF89AE
RGB	255, 137, 174
RGB Percent	100%, 54%, 68%
CMY	0.0000, 0.4627, 0.3176
CMYK	0.00, 0.46, 0.32, 0.00
HSL	341°, 100%, 77%
HSV	341°, 46%, 100%
XYZ	57.8256, 42.2073, 45.1435
YIQ	176.5000, 58.4510, 36.5230

# Conversions

## Conversions Part 2

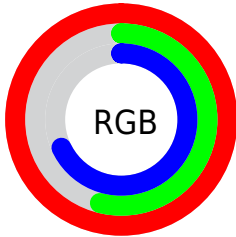
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 137, 174
Decimal	16746926
CIE <sub>Lab</sub>	71.01, 48.61, 0.89
CIE <sub>LCh</sub>	71, 48.622, 1.049
Yxy	42.2073, 0.3983, 0.2907
Android (android.graphics.Color)	4294937006 (0xFFFF89AE)
YUV	176.5000, -1.2325, 68.8445
Hunter-Lab	64.9671, 45.1858, 4.2784

# Details

The XYZ color **57.8256, 42.2073, 45.1435** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **58.7334, 81.9013, 79.0469**, and the grayscale version is **41.5140, 43.6759, 47.5631**.

A 20% lighter version of the original color is **74.4528, 65.0571, 82.7619**, and **29.1118, 19.1938, 20.5828** is the 20% darker color. If you saturate the color by 10%, you get **53.0228, 35.1570, 35.6645**, and if you desaturate by 10%, it is **63.7096, 51.0636, 56.0811**.

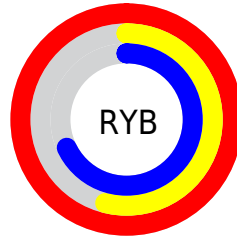
# Distribution



Red (100%)

Green (54%)

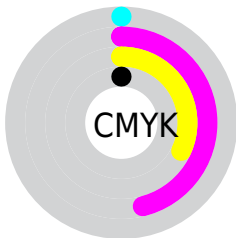
Blue (68%)



Red (100%)

Yellow (54%)

Blue (68%)

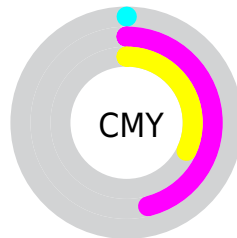


Cyan (0%)

Magenta (46%)

Yellow (32%)

Black (0%)



Cyan (0%)

Magenta (46%)


Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.8256, 42.2073, 45.1435 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 57.8256, 42.2073, 45.1435 by changing the saturation by 10% instead.





 57.8256, 42.2073,  
45.1435

 57.8256, 42.2073,  
45.1435


406.5001,  
355.3416, 383.5315


 41.9112, 29.2636,  
31.2267


 100.7933, 78.5133,  
84.2564

 29.2225, 19.2804,  
20.5116


 128.5772,  
102.6444, 110.2897

 19.3944, 11.8730,  
12.5797


 161.0484,  
131.2734, 141.1988

 12.0613, 6.6573,  
7.0125

198.5722,  
164.7848, 177.4023

 6.8579, 3.2487,  
3.3913

241.5139,  
203.5629, 219.3188

 3.4189, 1.2629,  
1.2978

290.2389,

 1.3790, 0.1122,

247.9921, 267.3668

0.0600

345.1125,  
298.4569, 321.9648

■ 0.2412, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.8256, 42.2073,  
45.1435

■ 57.8256, 42.2073,  
45.1435

■ 53.0228, 35.1570,  
35.6645

■ 63.7096, 51.0636,  
56.0811

■ 49.2279, 29.7805,  
27.5762

■ 70.7348, 61.8335,  
68.5358

■ 46.3636, 25.9375,  
20.8085

■ 78.9605, 74.6234,  
82.5656

■ 44.3389, 23.4616,  
15.2831

■ 88.4410, 89.5302,  
98.2246

■ 43.0421, 22.1460, 95.0500, 100.0000,  
10.9109 108.9000

■ 42.6861, 21.8384,  
9.5450

# Harmonies

## Analogous

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



55.3764, 42.2073, 71.1569



57.8256, 42.2073, 45.1435



55.0231, 42.2073, 26.5481

# Triad

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



57.8256, 42.2073, 45.1435



32.5958, 42.2073, 17.3207



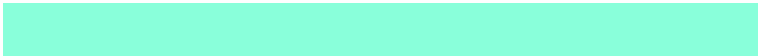
33.0284, 42.2073, 97.1925

# Complementary

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



57.8256, 42.2073, 45.1435



58.7334, 81.9013, 79.0469

# 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.



28.1796, 42.2073, 73.0699



57.8256, 42.2073, 45.1435



27.9546, 42.2073, 27.5429

# Square

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



57.8256, 42.2073, 45.1435



39.8319, 42.2073, 14.1940



26.4519, 42.2073, 46.7794



40.4030, 42.2073, 106.6730



# Rectangle

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



57.8256, 42.2073, 45.1435



50.7462, 42.2073, 19.2298



26.4519, 42.2073, 46.7794



31.0860, 42.2073, 90.2002

# Sweetspot

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



57.8268, 42.2094, 45.1443



81.0021, 77.8206, 85.9779



55.8013, 39.9627, 99.3803



16.9224, 16.0063, 17.7087



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.



57.8268, 42.2094, 45.1443



53.1396, 35.3259, 35.9033



58.0921, 47.7387, 29.8223



18.2439, 18.0809, 19.9017



22.3634, 11.4346, 5.2981



2.2243, 1.1321, 0.7625



# Inverse Universe

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



57.8268, 42.2094, 45.1443



53.1396, 35.3259, 35.9033



57.6109, 71.0254, 105.2806



18.2439, 18.0809, 19.9017



22.3634, 11.4346, 5.2981

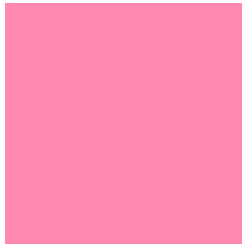


2.2243, 1.1321, 0.7625



# Previews

## White Background



This preview shows how the XYZ color 57.8256, 42.2073, 45.1435 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

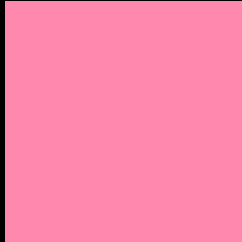
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.8256, 42.2073, 45.1435 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

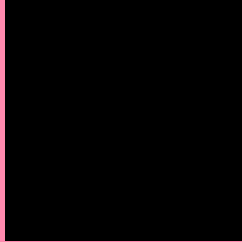
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 57.8256, 42.2073, 45.1435**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.8256, 42.2073, 45.1435.



This preview shows how white text looks on a background with the XYZ color 57.8256, 42.2073,

45.1435.

# 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

57.8256, 42.2073, 45.1435

### Protanopia

41.7020, 42.5306, 58.2358

### Deuteranopia

43.1564, 42.2073, 43.4084



## Tritanopia

55.6188, 42.1668, 34.4857

# Trichromacy



## Original Color

57.8256, 42.2073, 45.1435

## Protanomaly

46.0050, 41.3290, 53.1295

## Deuteranomaly

47.7266, 41.6531, 44.0525

## Tritanomaly

56.5091, 42.3302, 37.9931

# Monochromacy



## Original Color

57.8256, 42.2073, 45.1435

## Achromatopsia

41.7894, 43.9657, 47.8787

## Achromatomaly

45.9336, 41.9544, 46.7513

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.8256, 42.2073, 45.1435 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, 137, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 174)  
}
```

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, 137, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 57.8256, 42.2073, 45.1435 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, 137, 174) }
```



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

```
.border{ border-color:rgb(255, 137, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 137, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.8256, 42.2073, 45.1435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 137, 174) }
```

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

```
.background{ background-color: rgb(255,  
137, 174) }
```

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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