

# Converting Colors

XYZ(59.4512, 41.9764, 56.4204)

Have a look what the booklet for  
XYZ(59.4512, 41.9764, 56.4204)  
contains.

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# Color

**XYZ(59.4779, 41.9752,  
56.5970)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF85C3
RGB	255, 133, 195
RGB Percent	100%, 52%, 76%
CMY	0.0000, 0.4784, 0.2353
CMYK	0.00, 0.48, 0.24, 0.00
HSL	330°, 100%, 76%
HSV	330°, 48%, 100%
XYZ	59.4779, 41.9752, 56.5970
YIQ	176.5460, 52.8100, 45.1460

# Conversions

## Conversions Part 2

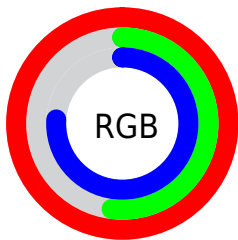
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 133, 195
Decimal	16745923
CIE <sub>Lab</sub>	70.85, 53.30, -11.06
CIE <sub>LCh</sub>	71, 54.436, 348.277
Yxy	41.9752, 0.3763, 0.2656
Android (android.graphics.Color)	4294936003 (0xFFFF85C3)
YUV	176.5460, 9.0978, 68.8042
Hunter-Lab	64.7883, 50.4898, -6.4421

# Details

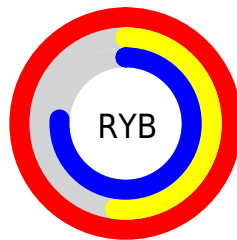
The XYZ color **59.4779, 41.9752, 56.5970** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **55.0603, 80.3576, 63.0642**, and the grayscale version is **41.4877, 43.6483, 47.5330**.

A 20% lighter version of the original color is **77.0083, 64.6835, 100.5218**, and **30.2971, 19.1076, 27.2906** is the 20% darker color. If you saturate the color by 10%, you get **55.0418, 35.2778, 48.4136**, and if you desaturate by 10%, it is **64.8824, 50.4186, 65.6918**.

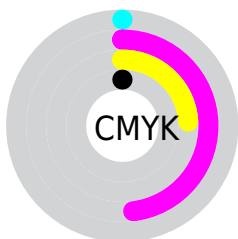
# Distribution



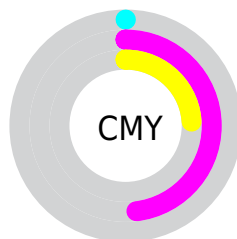
- Red (100%)
- Green (52%)
- Blue (76%)



- Red (100%)
- Yellow (52%)
- Blue (76%)



- Cyan (0%)
- Magenta (48%)
- Yellow (24%)
- Black (0%)



- Cyan (0%)
- Magenta (48%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.4779, 41.9752, 56.5970 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 59.4779, 41.9752, 56.5970 by changing the saturation by 10% instead.





 59.4779, 41.9752,  
56.5970


 59.4779, 41.9752,  
56.5970


412.5363,  
354.3801, 429.3889


 43.2458, 29.0819,  
40.2746

 103.1826, 78.1621,  
101.3714

 30.2734, 19.1428,  
27.4373

 131.3859,  
102.2244, 130.6605

 20.1953, 11.7735,  
17.6666

 164.3103,  
130.7786, 165.1088

 12.6462, 6.5896,  
10.5439

202.3211,  
164.2089, 205.1350

 7.2607, 3.2068,  
5.6508

245.7838,  
202.8999, 251.1576

 3.6734, 1.2406,  
2.5686

295.0637,

 1.5191, 0.0945,

247.2358, 303.5950

0.8762

350.5260,  
297.6011, 362.8659

■ 0.3388, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.4779, 41.9752,  
56.5970

■ 59.4779, 41.9752,  
56.5970

■ 55.0418, 35.2778,  
48.4136

■ 64.8824, 50.4186,  
65.6918

■ 51.5057, 30.1948,  
41.1030

■ 71.3113, 60.7156,  
75.7292

■ 48.7969, 26.5849,  
34.6265

■ 78.8196, 72.9719,  
86.7413

■ 46.8283, 24.2796,  
28.9396

■ 87.4573, 87.2834,  
98.7578

■ 45.4847, 23.0535, 95.0500, 100.0000,  
23.9877 108.9000

■ 45.2414, 22.8606,  
23.0013

# Harmonies

## Analogous

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



54.3464, 41.9752, 87.5476



59.4779, 41.9752, 56.5970



58.8083, 41.9752, 31.7869

# Triad

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



59.4779, 41.9752, 56.5970



34.6833, 41.9752, 12.8329



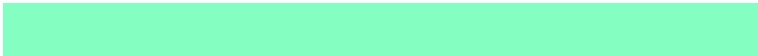
29.3984, 41.9752, 93.9110

# Complementary

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



59.4779, 41.9752, 56.5970



55.0603, 80.3576, 63.0642

# 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.



25.5474, 41.9752, 63.1849



59.4779, 41.9752, 56.5970



28.2654, 41.9752, 19.9104

# Square

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



59.4779, 41.9752, 56.5970



43.5376, 41.9752, 12.2108



25.1667, 41.9752, 36.3066



36.4636, 41.9752, 113.9380



# Rectangle

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



59.4779, 41.9752, 56.5970



55.1771, 41.9752, 21.2591



25.1667, 41.9752, 36.3066



27.7342, 41.9752, 84.0541

# Sweetspot

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



59.4789, 41.9771, 56.5978



82.0006, 78.2200, 91.2357



48.1692, 35.1995, 98.8631



17.1645, 16.1031, 18.9838



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.



59.4789, 41.9771, 56.5978



55.3790, 35.7768, 49.0672



54.0045, 39.7874, 27.7699



18.3946, 18.1411, 20.6950



23.7153, 11.9754, 12.4170



2.3643, 1.1881, 1.4996



# Inverse Universe

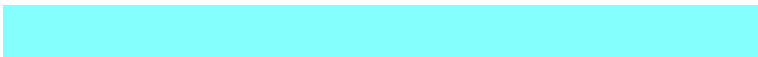
The Inverse Universe completely reimagines the original color for something new.



59.4789, 41.9771, 56.5978



55.3790, 35.7768, 49.0672



63.1583, 83.5968, 105.7078



18.3946, 18.1411, 20.6950



23.7153, 11.9754, 12.4170

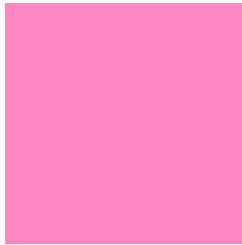


2.3643, 1.1881, 1.4996



# Previews

## White Background



This preview shows how the XYZ color 59.4779, 41.9752, 56.5970 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

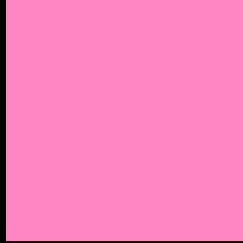
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.4779, 41.9752, 56.5970 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 59.4779, 41.9752, 56.5970**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.4779, 41.9752, 56.5970.



This preview shows how white text looks on a background with the XYZ color 59.4779, 41.9752,



# 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

59.4779, 41.9752, 56.5970

### Protanopia

42.5016, 42.3026, 74.3318

### Deuteranopia

43.1404, 42.2404, 54.0236



## Tritanopia

55.1242, 42.1222, 34.9308

# Trichromacy



## Original Color

59.4779, 41.9752, 56.5970



## Protanomaly

46.6162, 40.8093, 67.7074



## Deuteranomaly

47.8708, 41.2402, 54.7273



## Tritanomaly

56.4454, 41.9878, 42.1753

# Monochromacy



## Original Color

59.4779, 41.9752, 56.5970



## Achromatopsia

41.7894, 43.9657, 47.8787



## Achromatomaly

46.5734, 41.9296, 50.9859

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.4779, 41.9752, 56.5970 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, 133, 195)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 195)  
}
```

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, 133, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 59.4779, 41.9752, 56.5970 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, 133, 195) }
```



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

```
.border{ border-color:rgb(255, 133, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 133, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 195);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.4779, 41.9752, 56.5970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 133, 195) }
```

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

```
.background{ background-color: rgb(255,  
133, 195) }
```

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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