

# Converting Colors

XYZ(105.0946, 65.1183,  
57.6283)

Have a look what the booklet for  
XYZ(105.0946, 65.1183, 57.6283)  
contains.

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# Color

**XYZ(58.9819, 41.3429,  
55.3234)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF83C1
RGB	255, 131, 193
RGB Percent	100%, 51%, 76%
CMY	0.0000, 0.4862, 0.2431
CMYK	0.00, 0.49, 0.24, 0.00
HSL	330°, 100%, 76%
HSV	330°, 49%, 100%
XYZ	58.9819, 41.3429, 55.3234
YIQ	175.1440, 54.0020, 45.5700

# Conversions

## Conversions Part 2

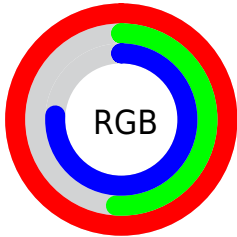
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 131, 193
Decimal	16745409
CIE <sub>Lab</sub>	70.42, 54.00, -10.60
CIE <sub>LCh</sub>	70, 55.028, 348.893
Yxy	41.3429, 0.3789, 0.2656
Android (android.graphics.Color)	4294935489 (0xFFFF83C1)
YUV	175.1440, 8.8030, 70.0337
Hunter-Lab	64.2984, 51.2184, -6.0051

# Details

The XYZ color **58.9819, 41.3429, 55.3234** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **54.7476, 80.1964, 63.0499**, and the grayscale version is **40.7597, 42.8824, 46.6989**.

A 20% lighter version of the original color is **76.1092, 63.6402, 97.8949**, and **30.0096, 18.7687, 26.4671** is the 20% darker color. If you saturate the color by 10%, you get **54.6072, 34.7723, 47.1474**, and if you desaturate by 10%, it is **64.3242, 49.6517, 64.4278**.

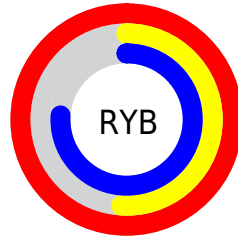
# Distribution



Red (100%)

Green (51%)

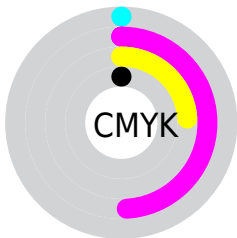
Blue (76%)



Red (100%)

Yellow (51%)

Blue (76%)

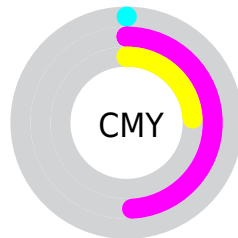


Cyan (0%)

Magenta (49%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (49%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.9819, 41.3429, 55.3234 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 58.9819, 41.3429, 55.3234 by changing the saturation by 10% instead.





 58.9819, 41.3429,  
55.3234


 58.9819, 41.3429,  
55.3234


410.7300,  
351.7517, 424.4531


 42.8449, 28.5871,  
39.2604


 102.4661, 77.2042,  
99.4905

 29.9574, 18.7687,  
26.6529


 130.5440,  
101.0784, 128.4317

 19.9542, 11.5033,  
17.0826


 163.3330,  
129.4276, 162.5026

 12.4698, 6.4064,  
10.1308

201.1982,  
162.6362, 202.1219

 7.1390, 3.0937,  
5.3791

244.5052,  
201.0885, 247.7081

 3.5963, 1.1809,  
2.4087

293.6192,

 1.4764, 0.0460,

245.1689, 299.6796

0.7912

348.9057,  
295.2618, 358.4551

■ 0.3097, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.9819, 41.3429,  
55.3234

■ 58.9819, 41.3429,  
55.3234

■ 54.6072, 34.7723,  
47.1474

■ 64.3242, 49.6517,  
64.4278

■ 51.1306, 29.8069,  
39.8603

■ 70.6902, 59.8072,  
74.4928

■ 48.4782, 26.3039,  
33.4221

■ 78.1355, 71.9157,  
85.5514

■ 46.5619, 24.0920,  
27.7867

■ 86.7106, 86.0739,  
97.6343

■ 45.2570, 22.9277,  
22.8956

95.0500, 100.0000,  
108.9000

■ 45.1031, 22.8052,  
22.2726

# Harmonies

## Analogous

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



53.9327, 41.3429, 86.4153



58.9819, 41.3429, 55.3234



58.1831, 41.3429, 30.7192

# Triad

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



58.9819, 41.3429, 55.3234



33.9213, 41.3429, 12.3945



28.9211, 41.3429, 94.0263

# Complementary

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



58.9819, 41.3429, 55.3234



54.7476, 80.1964, 63.0499

# 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.



25.0136, 41.3429, 63.1746



58.9819, 41.3429, 55.3234



27.5792, 41.3429, 19.5411

# Square

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



58.9819, 41.3429, 55.3234



42.7465, 41.3429, 11.6672



24.5633, 41.3429, 36.0746



36.0349, 41.3429, 113.8394



# Rectangle

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



58.9819, 41.3429, 55.3234



54.4685, 41.3429, 20.3996



24.5633, 41.3429, 36.0746



27.2391, 41.3429, 84.1556

# Sweetspot

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



58.9830, 41.3449, 55.3242



81.1105, 76.8057, 89.8110



48.1606, 34.7925, 98.7850



16.9867, 15.8238, 18.6895



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.



58.9830, 41.3449, 55.3242



54.8534, 35.1344, 47.6317



53.4545, 39.1335, 26.2115



18.3882, 18.1386, 20.6612



23.6427, 11.9464, 12.0347



2.3571, 1.1852, 1.4620



# Inverse Universe

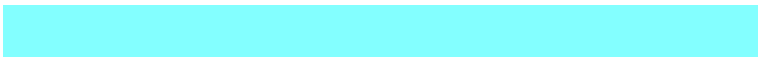
The Inverse Universe completely reimagines the original color for something new.



58.9830, 41.3449, 55.3242



54.8534, 35.1344, 47.6317



63.1712, 83.5659, 107.4081



18.3882, 18.1386, 20.6612



23.6427, 11.9464, 12.0347



2.3571, 1.1852, 1.4620



# Previews

## White Background



This preview shows how the XYZ color 58.9819, 41.3429, 55.3234 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

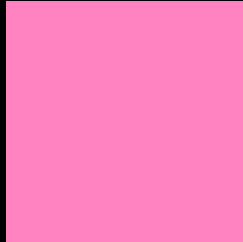
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.9819, 41.3429, 55.3234 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 58.9819, 41.3429, 55.3234**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.9819, 41.3429, 55.3234.



This preview shows how white text looks on a background with the XYZ color 58.9819, 41.3429,



# 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

58.9819, 41.3429, 55.3234

### Protanopia

41.9784, 41.7667, 73.5594

### Deuteranopia

42.5007, 41.6604, 52.8149



## Tritanopia

54.6668, 41.4674, 33.9769

# Trichromacy



## Original Color

58.9819, 41.3429, 55.3234



## Protanomaly

46.0270, 40.0322, 66.2739



## Deuteranomaly

47.2011, 40.6721, 53.5068



## Tritanomaly

55.9735, 41.3399, 41.1057

# Monochromacy



## Original Color

58.9819, 41.3429, 55.3234



## Achromatopsia

40.7470, 42.8690, 46.6844



## Achromatomaly

45.7435, 41.0110, 49.7609

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.9819, 41.3429, 55.3234 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, 131, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 131, 193)  
}
```

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, 131, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 131, 193) }
```

## Border

The CSS property to change the border of an element to XYZ 58.9819, 41.3429, 55.3234 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, 131, 193) }
```



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

```
.border{ border-color:rgb(255, 131, 193) }
```

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

Here you see how a box with a 4 pixel rgb(255, 131, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 131, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 131, 193);  
box-shadow:4px 4px 4px 4px rgb(255, 131,  
193) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.9819, 41.3429, 55.3234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 131, 193) }
```

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

```
.background{ background-color: rgb(255,  
131, 193) }
```

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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