

# Converting Colors

XYZ(59.5652, 39.3076, 65.3886)

Have a look what the booklet for  
XYZ(59.5652, 39.3076, 65.3886)  
contains.

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# Color

**XYZ(59.5893, 39.3461,  
65.4266)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF78D2
RGB	255, 120, 210
RGB Percent	100%, 47%, 82%
CMY	0.0000, 0.5294, 0.1765
CMYK	0.00, 0.53, 0.18, 0.00
HSL	320°, 100%, 74%
HSV	320°, 53%, 100%
XYZ	59.5893, 39.3461, 65.4266
YIQ	170.6250, 51.5700, 56.6100

# Conversions

## Conversions Part 2

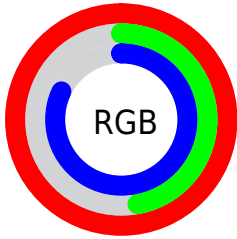
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 120, 210
Decimal	16742610
CIE Lab	69.00, 61.55, -22.22
CIE LCh	69, 65.439, 340.154
Yxy	39.3461, 0.3625, 0.2394
Android (android.graphics.Color)	4294932690 (0xFFFF78D2)
YUV	170.6250, 19.4119, 73.9969
Hunter-Lab	62.7265, 59.8013, -17.9337

# Details

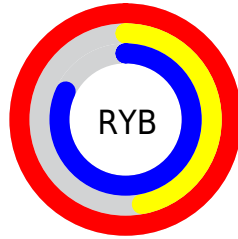
The XYZ color **59.5893, 39.3461, 65.4266** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **50.2989, 78.2304, 48.0495**, and the grayscale version is **38.4098, 40.4101, 44.0066**.

A 20% lighter version of the original color is **75.0121, 59.9243, 102.2207**, and **30.1996, 17.5237, 32.8011** is the 20% darker color. If you saturate the color by 10%, you get **55.8896, 33.5966, 59.1065**, and if you desaturate by 10%, it is **64.1637, 46.7544, 72.3166**.

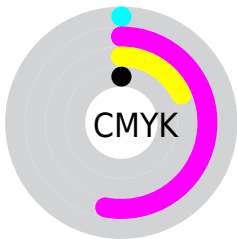
# Distribution



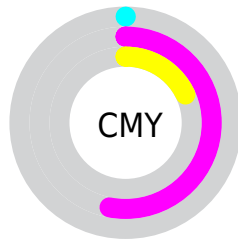
- Red (100%)
- Green (47%)
- Blue (82%)



- Red (100%)
- Yellow (47%)
- Blue (82%)



- Cyan (0%)
- Magenta (53%)
- Yellow (18%)
- Black (0%)




- Cyan (0%)
- Magenta (53%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.5893, 39.3461, 65.4266 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 59.5893, 39.3461, 65.4266 by changing the saturation by 10% instead.





 59.5893, 39.3461,  
65.4266

 59.5893, 39.3461,  
65.4266


412.9413,  
343.3597, 462.6715

 43.3359, 27.0291,  
47.3535

 103.3434, 74.1667,  
114.2821

 30.3444, 17.5951,  
32.9589

 131.5748, 97.4392,  
145.9016

 20.2495, 10.6597,  
21.8241


 164.5296,  
125.1322, 182.8737

 12.6859, 5.8385,  
13.5306

202.5730,  
157.6301, 225.6169

 7.2881, 2.7471,  
7.6599

246.0706,  
195.3175, 274.5497

 3.6908, 1.0012,  
3.7935

295.3876,

 1.5288, 0.0000,

238.5786, 330.0907

1.5128

350.8894,  
287.7979, 392.6585

■ 0.3453, 0.0000,  
0.2274

■ 0.0000, 0.0000,  
0.0000

■ 59.5893, 39.3461,  
65.4266

■ 59.5893, 39.3461,  
65.4266

■ 55.8896, 33.5966,  
59.1065

■ 64.1637, 46.7544,  
72.3166

■ 52.9942, 29.3674,  
53.3275

■ 69.6696, 55.9347,  
79.7985

■ 50.8267, 26.5066,  
48.0599

■ 76.1626, 66.9963,  
87.8952

■ 49.2928, 24.8274,  
43.2681

■ 83.6927, 80.0382,  
96.6274

■ 48.4954, 24.1622,  
40.1363

■ 92.3066, 95.1524,  
106.0146

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



51.8643, 39.3461, 103.3760



59.5893, 39.3461, 65.4266



60.7927, 39.3461, 33.4994

# Triad

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



59.5893, 39.3461, 65.4266



33.9747, 39.3461, 7.5428



24.0774, 39.3461, 91.5259

# Complementary

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



59.5893, 39.3461, 65.4266



50.2989, 78.2304, 48.0495

# 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.



20.9374, 39.3461, 53.7759



59.5893, 39.3461, 65.4266



25.9068, 39.3461, 12.2452

# Square

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



59.5893, 39.3461, 65.4266



44.6209, 39.3461, 8.3589



21.5383, 39.3461, 26.1626



30.9986, 39.3461, 122.6665



# Rectangle

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



59.5893, 39.3461, 65.4266



57.5376, 39.3461, 19.9961



21.5383, 39.3461, 26.1626



22.6088, 39.3461, 78.6183

# Sweetspot

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



59.5903, 39.3479, 65.4274



81.2742, 75.8292, 93.8852



40.2854, 28.6546, 98.0154



17.0600, 15.6479, 19.7080



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.



59.5903, 39.3479, 65.4274



55.5452, 33.0778, 58.4677



52.8779, 36.6629, 30.0805



18.5201, 18.1914, 21.3562



25.4121, 12.6541, 21.3522



2.5250, 1.2524, 2.3463



# Inverse Universe

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



59.5903, 39.3479, 65.4274



55.5452, 33.0778, 58.4677



58.1436, 81.3683, 89.3589



18.5201, 18.1914, 21.3562



25.4121, 12.6541, 21.3522

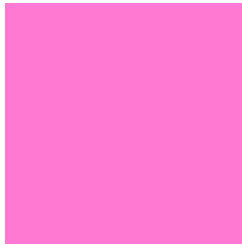


2.5250, 1.2524, 2.3463



# Previews

## White Background



This preview shows how the XYZ color 59.5893, 39.3461, 65.4266 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

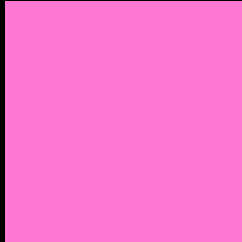
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.5893, 39.3461, 65.4266 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 59.5893, 39.3461, 65.4266**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.5893, 39.3461, 65.4266.



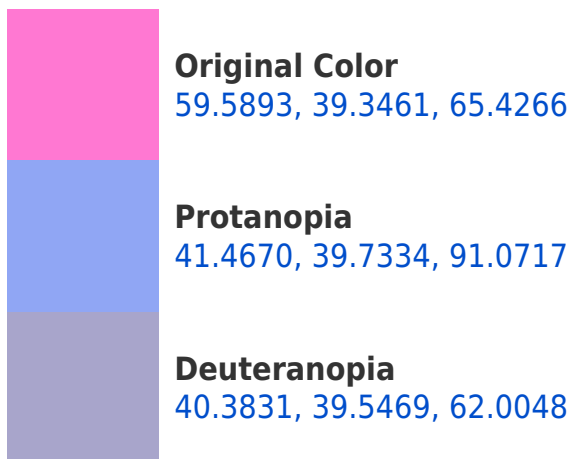
This preview shows how white text looks on a background with the XYZ color 59.5893, 39.3461,

65.4266.

# 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





## Tritanopia

52.4094, 39.2980, 31.2086

# Trichromacy



## Original Color

59.5893, 39.3461, 65.4266



## Protanomaly

45.0801, 37.5114, 81.2084



## Deuteranomaly

45.7074, 38.2305, 63.3627



## Tritanomaly

54.8342, 39.3016, 41.7417

# Monochromacy



## Original Color

59.5893, 39.3461, 65.4266



## Achromatopsia

38.7082, 40.7240, 44.3485



## Achromatomaly

44.3423, 38.5158, 50.9961

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.5893, 39.3461, 65.4266 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, 120, 210)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 210)  
}
```

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, 120, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 59.5893, 39.3461, 65.4266 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, 120, 210) }
```



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

```
.border{ border-color:rgb(255, 120, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 120, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 210);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.5893, 39.3461, 65.4266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 120, 210) }
```

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

```
.background{ background-color: rgb(255,  
120, 210) }
```

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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