

# Converting Colors

XYZ(59.8209, 39.9064, 65.2042)

Have a look what the booklet for  
XYZ(59.8209, 39.9064, 65.2042)  
contains.

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# Color

**XYZ(59.8324, 39.8322,  
65.5076)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7AD2
RGB	255, 122, 210
RGB Percent	100%, 48%, 82%
CMY	0.0000, 0.5215, 0.1765
CMYK	0.00, 0.52, 0.18, 0.00
HSL	320°, 100%, 74%
HSV	320°, 52%, 100%
XYZ	59.8324, 39.8322, 65.5076
YIQ	171.7990, 51.0200, 55.5640

# Conversions

## Conversions Part 2

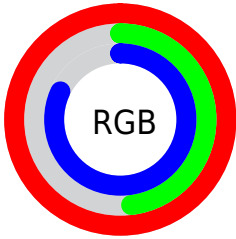
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 122, 210
Decimal	16743122
CIE <sub>Lab</sub>	69.35, 60.63, -21.68
CIE <sub>LCh</sub>	69, 64.392, 340.321
Yxy	39.8322, 0.3622, 0.2412
Android (android.graphics.Color)	4294933202 (0xFFFF7AD2)
YUV	171.7990, 18.8331, 72.9673
Hunter-Lab	63.1128, 58.7749, -17.3609

# Details

The XYZ color **59.8324, 39.8322, 65.5076** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **50.7627, 78.4483, 49.0289**, and the grayscale version is **39.0022, 41.0333, 44.6853**.

A 20% lighter version of the original color is **75.2104, 60.3208, 102.2868**, and **30.5716, 17.8829, 32.8508** is the 20% darker color. If you saturate the color by 10%, you get **56.0558, 33.9532, 59.0875**, and if you desaturate by 10%, it is **64.4901, 47.3804, 72.5082**.

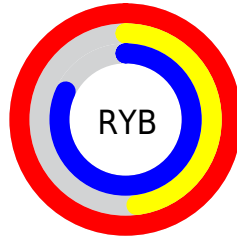
# Distribution



Red (100%)

Green (48%)

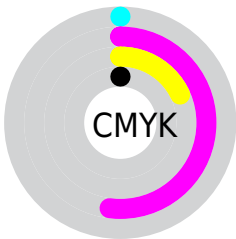
Blue (82%)



Red (100%)

Yellow (48%)

Blue (82%)

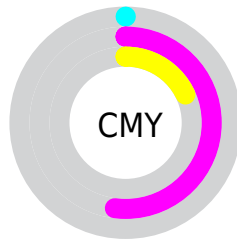


Cyan (0%)

Magenta (52%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (52%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.8324, 39.8322, 65.5076 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 59.8324, 39.8322, 65.5076 by changing the saturation by 10% instead.




 59.8324, 39.8322,  
65.5076


 59.8324, 39.8322,  
65.5076


413.8244,  
345.4158, 462.9699

 43.5325, 27.4077,  
47.4188

 103.6942, 74.9079,  
114.3996

 30.4995, 17.8797,  
33.0102

 131.9869, 98.3280,  
146.0399

 20.3680, 10.8636,  
21.8631


 165.0078,  
126.1820, 183.0344

 12.7726, 5.9752,  
13.5590

203.1224,  
158.8544, 225.8017

 7.3481, 2.8300,  
7.6793

246.6960,  
196.7296, 274.7604

 3.7290, 1.0436,  
3.8056

296.0940,

 1.5500, 0.0000,

240.1920, 330.3290

1.5193

351.6816,  
289.6259, 392.9259

■ 0.3595, 0.0000,  
0.2323

■ 0.0000, 0.0000,  
0.0000

■ 59.8324, 39.8322,  
65.5076

■ 59.8324, 39.8322,  
65.5076

■ 56.0558, 33.9532,  
59.0875

■ 64.4901, 47.3804,  
72.5082

■ 53.0908, 29.6062,  
53.2191

■ 70.0855, 56.7101,  
80.1114

■ 50.8618, 26.6413,  
47.8729

■ 76.6738, 67.9298,  
88.3400

■ 49.2762, 24.8749,  
43.0134

■ 84.3047, 81.1380,  
97.2150

■ 48.3750, 24.1140,  
39.5025

■ 93.0248, 96.4261,  
106.7558

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.



52.2347, 39.8322, 102.8721



59.8324, 39.8322, 65.5076



60.9787, 39.8322, 33.9492

# Triad

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



59.8324, 39.8322, 65.5076



34.4083, 39.8322, 8.0108



24.6350, 39.8322, 91.6259

# Complementary

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



59.8324, 39.8322, 65.5076



50.7627, 78.4483, 49.0289

# 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.



21.4758, 39.8322, 54.3911



59.8324, 39.8322, 65.5076



26.3977, 39.8322, 12.8335

# Square

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



59.8324, 39.8322, 65.5076



44.9563, 39.8322, 8.8161



22.0562, 39.8322, 26.8840



31.5515, 39.8322, 122.1007



# Rectangle

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



59.8324, 39.8322, 65.5076



57.7432, 39.8322, 20.5099



22.0562, 39.8322, 26.8840



23.1610, 39.8322, 78.9299

# Sweetspot

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



59.8333, 39.8340, 65.5084



81.2435, 75.8170, 93.7240



40.8072, 29.2844, 98.1094



17.0527, 15.6450, 19.6694



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.



59.8333, 39.8340, 65.5084



55.7745, 33.5280, 58.5701



53.2476, 37.1997, 30.8285



18.5161, 18.1898, 21.3350



25.3496, 12.6291, 21.0231



2.5193, 1.2501, 2.3159



# Inverse Universe

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



59.8333, 39.8340, 65.5084



55.7745, 33.5280, 58.5701



58.4714, 81.5318, 89.6224



18.5161, 18.1898, 21.3350



25.3496, 12.6291, 21.0231



2.5193, 1.2501, 2.3159



# Previews

## White Background



This preview shows how the XYZ color 59.8324, 39.8322, 65.5076 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

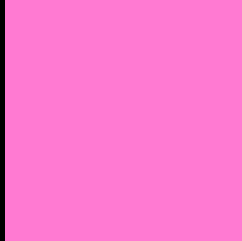
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.8324, 39.8322, 65.5076 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 59.8324, 39.8322, 65.5076**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.8324, 39.8322, 65.5076.



This preview shows how white text looks on a background with the XYZ color 59.8324, 39.8322,

65.5076.

# 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

59.8324, 39.8322, 65.5076

### Protanopia

41.6734, 40.1282, 90.3431

### Deuteranopia

40.9933, 40.1303, 62.0853



## Tritanopia

52.7039, 39.6401, 32.0676

# Trichromacy



## Original Color

59.8324, 39.8322, 65.5076



## Protanomaly

45.4980, 38.2170, 80.5799



## Deuteranomaly

46.1343, 38.6864, 63.4282



## Tritanomaly

55.0614, 39.6064, 42.2789

# Monochromacy



## Original Color

59.8324, 39.8322, 65.5076



## Achromatopsia

39.2122, 41.2543, 44.9259



## Achromatomaly

44.7756, 39.2129, 51.6633

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.8324, 39.8322, 65.5076 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, 122, 210)` looks like.

```
.text, #text, p{  
    color:rgb(255, 122, 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, 122, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 122, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 59.8324, 39.8322, 65.5076 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, 122, 210) }
```



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

```
.border{ border-color:rgb(255, 122, 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, 122, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 122, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 122, 210);  
box-shadow:4px 4px 4px 4px rgb(255, 122,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.8324, 39.8322, 65.5076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 122, 210) }
```

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

```
.background{ background-color: rgb(255,  
122, 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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