

# Converting Colors

XYZ(39.9792, 34.7969, 59.9492)

Have a look what the booklet for  
XYZ(39.9792, 34.7969, 59.9492)  
contains.

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# Color

**XYZ(40.0324, 34.9082,  
59.8864)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B593C9
RGB	181, 147, 201
RGB Percent	71%, 58%, 79%
CMY	0.2902, 0.4235, 0.2118
CMYK	0.10, 0.27, 0.00, 0.21
HSL	278°, 33%, 68%
HSV	278°, 27%, 79%
XYZ	40.0324, 34.9082, 59.8864
YIQ	163.3220, 2.9300, 24.0020

# Conversions

## Conversions Part 2

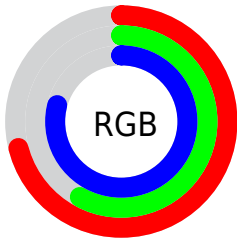
Format	Color
R <sub>Y</sub> B	181, 147, 201
Decimal	11899849
CIE Lab	65.68, 22.74, -23.04
CIE LCh	66, 32.373, 314.620
Yxy	34.9082, 0.2969, 0.2589
Android (android.graphics.Color)	4290089929 (0xFFB593C9)
YUV	163.3220, 18.5753, 15.5036
Hunter-Lab	59.0832, 17.5490, -18.7378

# Details

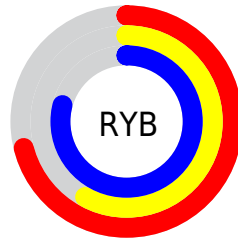
The XYZ color **40.0324, 34.9082, 59.8864** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.0906, 52.0962, 35.4425**, and the grayscale version is **34.8798, 36.6962, 39.9622**.

A 20% lighter version of the original color is **73.8617, 66.9978, 103.6467**, and **18.3514, 15.0615, 29.5437** is the 20% darker color. If you saturate the color by 10%, you get **35.4767, 28.3189, 58.8552**, and if you desaturate by 10%, it is **45.2297, 42.6407, 61.1055**.

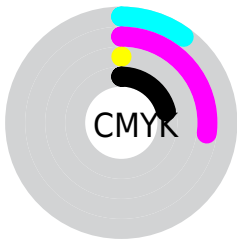
# Distribution



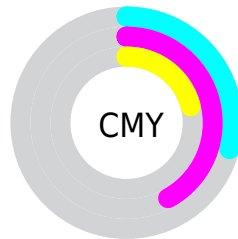
- Red (71%)
- Green (58%)
- Blue (79%)



- Red (71%)
- Yellow (58%)
- Blue (79%)



- Cyan (10%)
- Magenta (27%)
- Yellow (0%)
- Black (21%)



- Cyan (29%)
- Magenta (42%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0324, 34.9082, 59.8864 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 40.0324, 34.9082, 59.8864 by changing the saturation by 10% instead.



40.0324, 34.9082,  
59.8864

40.0324, 34.9082,  
59.8864

337.3922,  
324.1629, 441.9719

27.7481, 23.5922,  
42.9024

74.4969, 67.3435,  
106.2066

18.2754, 15.0314,  
29.4777

97.4078, 89.2316,  
136.3799

11.2488, 8.8414,  
19.1938

124.5916,  
115.4125, 171.7867

6.3029, 4.6379,  
11.6322

156.4138,  
146.2706, 212.8455

3.0725, 2.0364,  
6.3743

193.2395,  
182.1903, 259.9749

1.1922, 0.6285,  
3.0015

235.4343,

0.1002, 0.0000,

223.5560, 313.5934

1.0954

283.3634,  
270.7521, 374.1196

■ 0.0000, 0.0000,  
0.0000

■ 40.0324, 34.9082,  
59.8864

■ 40.0324, 34.9082,  
59.8864

■ 35.4767, 28.3189,  
58.8552

■ 45.2297, 42.6407,  
61.1055

■ 31.5295, 22.8108,  
58.0000

■ 51.0929, 51.5655,  
62.5192

■ 28.1593, 18.3226,  
57.3114

■ 57.6493, 61.7339,  
64.1363

■ 25.3304, 14.7851,  
56.7777

■ 64.9234, 73.1930,  
65.9648

■ 23.0026, 12.1201,  
56.3860

■ 72.9385, 85.9875,  
68.0119

■ 21.1289, 10.2362,  
56.1211

■ 77.5631, 91.8524,  
68.9002

■ 19.6477, 9.0124,  
55.9629

■ 79.9441, 93.0798,  
69.0116

■ 19.2291, 8.6951,  
55.9238

■ 82.4277, 94.3602,  
69.1279

■ 85.0151, 95.6940,  
69.2489

# Harmonies

## Analogous

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



35.5435, 34.9082, 69.4338



40.0324, 34.9082, 59.8864



42.8099, 34.9082, 45.3936

# Triad

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



40.0324, 34.9082, 59.8864



35.6663, 34.9082, 17.9229



25.0874, 34.9082, 45.0170

# Complementary

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



40.0324, 34.9082, 59.8864



42.0906, 52.0962, 35.4425

# 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.



25.1134, 34.9082, 31.4723



40.0324, 34.9082, 59.8864



30.9221, 34.9082, 17.8685

# Square

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



40.0324, 34.9082, 59.8864



40.1297, 34.9082, 22.4099



27.1565, 34.9082, 22.2376



27.0815, 34.9082, 59.5544



# Rectangle

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



40.0324, 34.9082, 59.8864



43.1640, 34.9082, 35.9364



27.1565, 34.9082, 22.2376



24.8667, 34.9082, 40.1600

# Sweetspot

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



40.0335, 34.9097, 59.8872



86.1586, 86.2629, 106.7171



36.5238, 38.3161, 60.7297



18.1023, 17.9445, 22.7595



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.



40.0335, 34.9097, 59.8872



64.0524, 53.2326, 101.5067



44.3385, 37.2129, 56.2988



10.6876, 10.6127, 13.4027



12.1943, 5.5206, 35.1672



0.6554, 0.3016, 1.6688



# Inverse Universe

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



41.4973, 36.0764, 41.3369



67.1142, 55.6423, 64.0923



38.6950, 50.2871, 37.9355



10.7936, 10.7008, 11.8963



15.9727, 8.1386, 5.0659

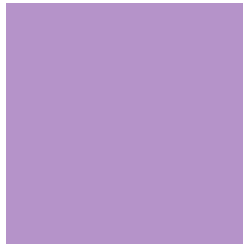


0.7912, 0.3993, 0.4237



# Previews

## White Background



This preview shows how the XYZ color 40.0324, 34.9082, 59.8864 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

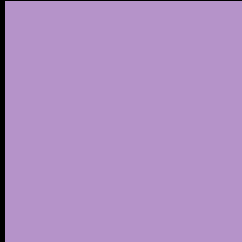
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.0324, 34.9082, 59.8864 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

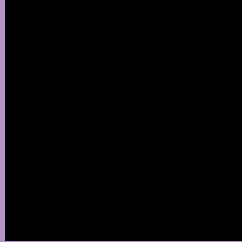
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 40.0324, 34.9082, 59.8864

## Background



This preview shows how black text looks on a background with the XYZ color 40.0324, 34.9082, 59.8864.



This preview shows how white text looks on a background with the XYZ color 40.0324, 34.9082,

59.8864.

# 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

40.0324, 34.9082, 59.8864

### Protanopia

35.5895, 35.1682, 65.2340

### Deuteranopia

35.8833, 35.2060, 58.9370



## Tritanopia

36.3430, 35.0945, 40.9348

# Trichromacy



## Original Color

40.0324, 34.9082, 59.8864

## Protanomaly

36.9943, 34.9384, 63.1865

## Deuteranomaly

37.1264, 34.8451, 59.4126

## Tritanomaly

37.5634, 34.8529, 47.3953

# Monochromacy



## Original Color

40.0324, 34.9082, 59.8864

## Achromatopsia

34.8123, 36.6253, 39.8849

## Achromatomaly

36.5703, 35.8343, 46.5842

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.0324, 34.9082, 59.8864 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(181, 147, 201)` looks like.

```
.text, #text, p{  
    color:rgb(181, 147, 201)  
}
```

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(181, 147, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 147, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 40.0324, 34.9082, 59.8864 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(181, 147, 201) }
```



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

```
.border{ border-color:rgb(181, 147, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 147, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 147, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 147, 201);  
box-shadow:4px 4px 4px 4px rgb(181, 147,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.0324, 34.9082, 59.8864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 147, 201) }
```

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

```
.background{ background-color: rgb(181,  
147, 201) }
```

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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