

# Converting Colors

XYZ(43.0781, 40.5975, 58.9627)

Have a look what the booklet for  
XYZ(43.0781, 40.5975, 58.9627)  
contains.

<b>XYZ(43.0574, 40.4619, 58.9666)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(43.0574, 40.4619,  
58.9666)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B8A3C6
RGB	184, 163, 198
RGB Percent	72%, 64%, 78%
CMY	0.2784, 0.3608, 0.2235
CMYK	0.07, 0.18, 0.00, 0.22
HSL	276°, 23%, 71%
HSV	276°, 18%, 78%
XYZ	43.0574, 40.4619, 58.9666
YIQ	173.2690, 1.2810, 15.3370

# Conversions

## Conversions Part 2

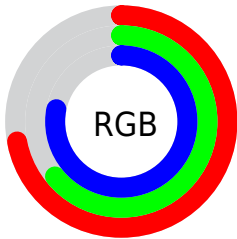
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">184, 163, 198</a>
Decimal	<a href="#">12100550</a>
CIELab	<a href="#">69.80, 14.19, -15.10</a>
CIElCh	<a href="#">70, 20.719, 313.233</a>
Yxy	<a href="#">40.4619, 0.3022, 0.2840</a>
Android (android.graphics.Color)	<a href="#">4290290630 (0xFFB8A3C6)</a>
YUV	<a href="#">173.2690, 12.1924, 9.4111</a>
Hunter-Lab	<a href="#">63.6097, 9.5098, -10.4355</a>

# Details

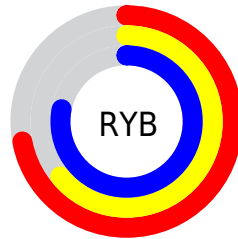
The XYZ color **43.0574, 40.4619, 58.9666** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **44.9377, 52.3806, 42.3942**, and the grayscale version is **39.7980, 41.8706, 45.5971**.

A 20% lighter version of the original color is **79.0566, 75.8881, 105.0889**, and **20.0786, 18.2078, 28.8418** is the 20% darker color. If you saturate the color by 10%, you get **37.9692, 33.0231, 57.7996**, and if you desaturate by 10%, it is **48.8047, 49.0598, 60.3239**.

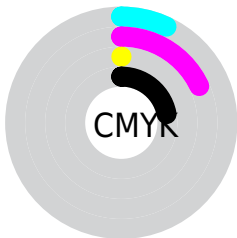
# Distribution



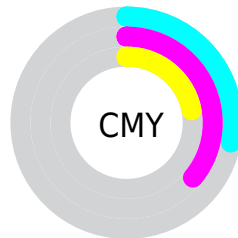
- Red (72%)
- Green (64%)
- Blue (78%)



- Red (72%)
- Yellow (64%)
- Blue (78%)



- Cyan (7%)
- Magenta (18%)
- Yellow (0%)
- Black (22%)




- Cyan (28%)
- Magenta (36%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.0574, 40.4619, 58.9666 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 43.0574, 40.4619, 58.9666 by changing the saturation by 10% instead.





 43.0574, 40.4619,  
58.9666

 43.0574, 40.4619,  
58.9666


349.7653,  
348.0666, 438.4766

 30.1249, 27.8989,  
42.1664


 79.0526, 75.8664,  
104.8578

 20.0819, 18.2494,  
28.9051


 102.8461, 99.4766,  
134.7858

 12.5632, 11.1292,  
18.7641


130.9905,  
127.5380, 169.9269

 7.2034, 6.1538,  
11.3248

163.8513,  
160.4350, 210.6995

 3.6371, 2.9388,  
6.1689

201.7938,  
198.5519, 257.5223

 1.4989, 1.0999,  
2.8776

245.1834,

 0.3251, 0.0000,

242.2733, 310.8137

1.0325

294.3855,  
291.9833, 370.9922

■ 0.0000, 0.0000,  
0.0000

■ 43.0574, 40.4619,  
58.9666

■ 43.0574, 40.4619,  
58.9666

■ 37.9692, 33.0231,  
57.7996

■ 48.8047, 49.0598,  
60.3239

■ 33.5091, 26.6861,  
56.8115

■ 55.2330, 58.8601,  
61.8767

■ 29.6491, 21.3967,  
55.9940

■ 62.3676, 69.9103,  
63.6336

■ 26.3572, 17.0938,  
55.3369

■ 70.2314, 82.2539,  
65.6017

■ 23.5984, 13.7099,  
54.8292

■ 76.5708, 91.3812,  
67.0293

■ 21.3329, 11.1683,  
54.4580

■ 79.0774, 92.6734,  
67.1466

■ 19.5147, 9.3800,  
54.2086

■ 81.6997, 94.0253,  
67.2693

■ 18.0778, 8.2161,  
54.0597

■ 84.4394, 95.4377,  
67.3975

■ 17.7732, 7.9849,  
54.0312

■ 87.1932, 96.8573,  
67.5264

# Harmonies

## Analogous

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



39.9565, 40.4619, 64.6451



43.0574, 40.4619, 58.9666



44.9848, 40.4619, 49.6152

# Triad

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



43.0574, 40.4619, 58.9666



40.3528, 40.4619, 28.6020



32.5026, 40.4619, 48.4310

# Complementary

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



43.0574, 40.4619, 58.9666



44.9377, 52.3806, 42.3942

# 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.



32.5949, 40.4619, 38.9287



43.0574, 40.4619, 58.9666



36.9971, 40.4619, 28.3811

# Square

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



43.0574, 40.4619, 58.9666



43.3621, 40.4619, 32.5537



34.1981, 40.4619, 31.8983



33.9381, 40.4619, 57.9916



# Rectangle

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



43.0574, 40.4619, 58.9666



45.2791, 40.4619, 43.0204



34.1981, 40.4619, 31.8983



32.3585, 40.4619, 45.1084

# Sweetspot

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



43.0586, 40.4636, 58.9675



89.2651, 91.1787, 107.5022



41.1364, 43.5405, 59.6627



18.9378, 19.2602, 22.9694



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.



43.0586, 40.4636, 58.9675



72.8354, 66.6247, 103.6288



46.2467, 42.1456, 57.3773



10.6567, 10.5968, 13.4012



11.6570, 5.2436, 35.1421



0.6321, 0.2896, 1.6677



# Inverse Universe

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



44.3230, 41.3761, 47.2470



75.5335, 68.5641, 78.9738



42.1750, 50.9258, 43.6449



10.8067, 10.7061, 11.9654



16.1076, 8.1926, 5.7763



0.7983, 0.4022, 0.4611



# Previews

## White Background



This preview shows how the XYZ color 43.0574, 40.4619, 58.9666 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

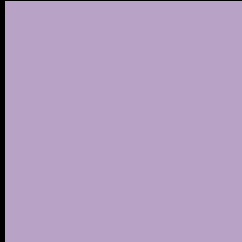
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.0574, 40.4619, 58.9666 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 43.0574, 40.4619, 58.9666**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.0574, 40.4619, 58.9666.



This preview shows how white text looks on a background with the XYZ color 43.0574, 40.4619,



# 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

43.0574, 40.4619, 58.9666

### Protanopia

40.1585, 40.5327, 61.5841

### Deuteranopia

41.1698, 40.3023, 58.4326



## Tritanopia

40.8290, 40.3509, 48.2844

# Trichromacy



## Original Color

43.0574, 40.4619, 58.9666

## Protanomaly

41.1559, 40.5124, 60.9089

## Deuteranomaly

41.8933, 40.4065, 58.4145

## Tritanomaly

41.6095, 40.4005, 52.0594

# Monochromacy



## Original Color

43.0574, 40.4619, 58.9666

## Achromatopsia

39.7200, 41.7885, 45.5077

## Achromatomaly

40.7629, 41.1004, 50.0407

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.0574, 40.4619, 58.9666 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(184, 163, 198)` looks like.

```
.text, #text, p{  
    color:rgb(184, 163, 198)  
}
```

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(184, 163, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 163, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 43.0574, 40.4619, 58.9666 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(184, 163, 198) }
```



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

```
.border{ border-color:rgb(184, 163, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 163, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 163, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 163, 198);  
box-shadow:4px 4px 4px 4px rgb(184, 163,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.0574, 40.4619, 58.9666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 163, 198) }
```

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

```
.background{ background-color: rgb(184,  
163, 198) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor