

# Converting Colors

XYZ(42.3451, 39.5583, 59.4365)

Have a look what the booklet for  
XYZ(42.3451, 39.5583, 59.4365)  
contains.

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# Color

**XYZ(42.3451, 39.5583,  
59.4365)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6A1C7
RGB	182, 161, 199
RGB Percent	71%, 63%, 78%
CMY	0.2863, 0.3686, 0.2196
CMYK	0.09, 0.19, 0.00, 0.22
HSL	273°, 25%, 71%
HSV	273°, 19%, 78%
XYZ	42.3451, 39.5583, 59.4365
YIQ	171.6110, 0.3180, 16.2700

# Conversions

## Conversions Part 2

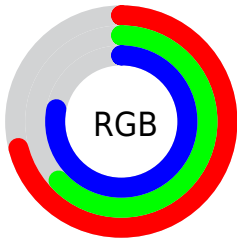
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	182, 161, 199
Decimal	11968967
CIE <sub>Lab</sub>	69.15, 14.84, -16.64
CIE <sub>LCh</sub>	69, 22.291, 311.726
Yxy	39.5583, 0.2996, 0.2799
Android (android.graphics.Color)	4290159047 (0xFFB6A1C7)
YUV	171.6110, 13.5028, 9.1112
Hunter-Lab	62.8954, 10.1104, -12.0026

# Details

The XYZ color **42.3451, 39.5583, 59.4365** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **45.2178, 52.8860, 41.5448**, and the grayscale version is **38.9511, 40.9796, 44.6268**.

A 20% lighter version of the original color is **77.8658, 74.5089, 104.8854**, and **19.6327, 17.6487, 29.1599** is the 20% darker color. If you saturate the color by 10%, you get **37.1046, 32.0995, 58.2736**, and if you desaturate by 10%, it is **48.2752, 48.1963, 60.7919**.

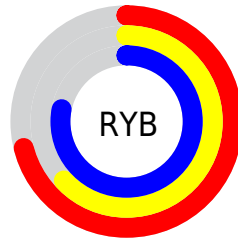
# Distribution



Red (71%)

Green (63%)

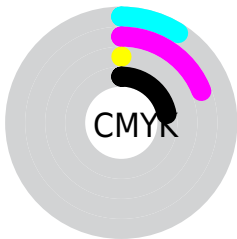
Blue (78%)



Red (71%)

Yellow (63%)

Blue (78%)

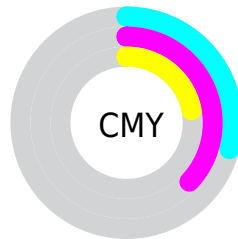


Cyan (9%)

Magenta (19%)

Yellow (0%)

Black (22%)



Cyan (29%)

Magenta (37%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3451, 39.5583, 59.4365 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 42.3451, 39.5583, 59.4365 by changing the saturation by 10% instead.



■ 42.3451, 39.5583,  
59.4365

■ 42.3451, 39.5583,  
59.4365

346.8789,  
344.2583, 440.2644

■ 29.5639, 27.1943,  
42.5423

■ 77.9835, 74.4904,  
105.5472

■ 19.6542, 17.7192,  
29.1974

■ 101.5715, 97.8274,  
135.6007

■ 12.2508, 10.7486,  
18.9833

129.4924,  
125.5908, 170.8777

■ 6.9881, 5.8980,  
11.4816

162.1116,  
158.1650, 211.7968

■ 3.5009, 2.7832,  
6.2735

199.7946,  
195.9345, 258.7765

■ 1.4239, 1.0196,  
2.9406

242.9065,

■ 0.2731, 0.0000,

239.2836, 312.2353

1.0644

291.8128,  
288.5968, 372.5917

■ 0.0000, 0.0000,  
0.0000

■ 42.3451, 39.5583,  
59.4365

■ 42.3451, 39.5583,  
59.4365

■ 37.1046, 32.0995,  
58.2736

■ 48.2752, 48.1963,  
60.7919

■ 32.5214, 25.7613,  
57.2918

■ 54.9180, 58.0584,  
62.3453

■ 28.5661, 20.4876,  
56.4823

■ 62.3000, 69.1935,  
64.1055

■ 25.2050, 16.2154,  
55.8349

■ 70.4451, 81.6460,  
66.0798

■ 22.4013, 12.8747,  
55.3378

■ 77.5951, 91.8959,  
67.6814

■ 20.1132, 10.3862,  
54.9781

■ 80.4684, 93.3772,  
67.8159

■ 18.2919, 8.6565,  
54.7402

■ 83.4890, 94.9343,  
67.9572

■ 16.8563, 7.5279,  
54.5980

■ 86.6588, 96.5684,  
68.1056

■ 16.7359, 7.4368,  
54.5868

■ 87.3089, 96.9036,  
68.1360

# Harmonies

## Analogous

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



39.0084, 39.5583, 65.2789



42.3451, 39.5583, 59.4365



44.4862, 39.5583, 49.5216

# Triad

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



42.3451, 39.5583, 59.4365



39.7882, 39.5583, 26.9996



31.2825, 39.5583, 47.1836

# Complementary

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



42.3451, 39.5583, 59.4365



45.2178, 52.8860, 41.5448

# 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.



31.4620, 39.5583, 37.2087



42.3451, 39.5583, 59.4365



36.2239, 39.5583, 26.5770

# Square

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



42.3451, 39.5583, 59.4365



42.9469, 39.5583, 31.2897



33.2214, 39.5583, 30.0265



32.7145, 39.5583, 57.4938



# Rectangle

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



42.3451, 39.5583, 59.4365



44.8703, 39.5583, 42.4842



33.2214, 39.5583, 30.0265



31.1590, 39.5583, 43.6658

# Sweetspot

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



42.3463, 39.5600, 59.4374



87.8883, 89.3485, 107.2215



40.9484, 43.5827, 60.2875



18.6509, 18.8865, 22.9124



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.



42.3463, 39.5600, 59.4374



70.1059, 63.4767, 103.1650



46.3886, 41.6692, 58.4821



10.6077, 10.5715, 13.3989



10.8636, 4.8346, 35.1050



0.5969, 0.2714, 1.6661



# Inverse Universe

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



44.3352, 40.8478, 47.6687



74.3229, 66.2035, 78.3830



41.7246, 51.0657, 42.2627



10.8278, 10.7145, 12.0763



16.3482, 8.2889, 7.0437



0.8104, 0.4070, 0.5249



# Previews

## White Background



This preview shows how the XYZ color 42.3451, 39.5583, 59.4365 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

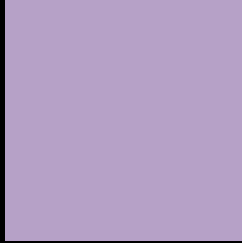
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.3451, 39.5583, 59.4365 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

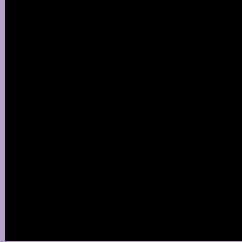
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.3451, 39.5583, 59.4365**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.3451, 39.5583, 59.4365.



This preview shows how white text looks on a background with the XYZ color 42.3451, 39.5583,

59.4365.

# 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

42.3451, 39.5583, 59.4365

### Protanopia

39.2962, 39.5263, 62.0581

### Deuteranopia

40.4428, 39.6454, 58.9468



## Tritanopia

40.0814, 39.7083, 47.6714

# Trichromacy



## Original Color

42.3451, 39.5583, 59.4365

## Protanomaly

40.4780, 39.6096, 61.3891

## Deuteranomaly

41.1477, 39.7421, 58.9284

## Tritanomaly

40.9608, 39.7994, 51.9776

# Monochromacy



## Original Color

42.3451, 39.5583, 59.4365

## Achromatopsia

39.2122, 41.2543, 44.9259

## Achromatomaly

40.3506, 40.6128, 49.9683

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.3451, 39.5583, 59.4365 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(182, 161, 199)` looks like.

```
.text, #text, p{  
    color:rgb(182, 161, 199)  
}
```

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(182, 161, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 161, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 42.3451, 39.5583, 59.4365 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(182, 161, 199) }
```



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

```
.border{ border-color:rgb(182, 161, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 161, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 161, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 161, 199);  
box-shadow:4px 4px 4px 4px rgb(182, 161,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.3451, 39.5583, 59.4365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 161, 199) }
```

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

```
.background{ background-color: rgb(182,  
161, 199) }
```

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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