

# Converting Colors

XYZ(38.4575, 31.0155, 40.9945)

Have a look what the booklet for  
XYZ(38.4575, 31.0155, 40.9945)  
contains.

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# Color

**XYZ(38.4729, 31.0655,  
41.0143)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C683A8
RGB	198, 131, 168
RGB Percent	78%, 51%, 66%
CMY	0.2235, 0.4863, 0.3412
CMYK	0.00, 0.34, 0.15, 0.22
HSL	327°, 37%, 65%
HSV	327°, 34%, 78%
XYZ	38.4729, 31.0655, 41.0143
YIQ	155.2510, 28.0550, 25.7110

# Conversions

## Conversions Part 2

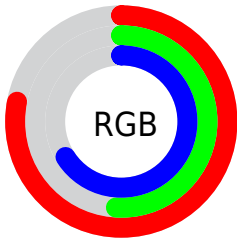
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	198, 131, 168
Decimal	13009832
CIE <sub>Lab</sub>	62.56, 31.23, -8.99
CIE <sub>LCh</sub>	63, 32.498, 343.946
Yxy	31.0655, 0.3480, 0.2810
Android (android.graphics.Color)	4291199912 (0xFFC683A8)
YUV	155.2510, 6.2853, 37.4909
Hunter-Lab	55.7364, 25.6735, -4.6137

# Details

The XYZ color **38.4729, 31.0655, 41.0143** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.9885, 47.7876, 41.0475**, and the grayscale version is **31.2320, 32.8584, 35.7828**.

A 20% lighter version of the original color is **71.9082, 61.2856, 77.8514**, and **17.3487, 12.8379, 18.0866** is the 20% darker color. If you saturate the color by 10%, you get **35.2654, 25.9274, 36.0080**, and if you desaturate by 10%, it is **42.2467, 37.2453, 46.4880**.

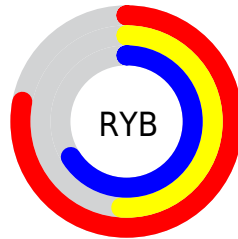
# Distribution



Red (78%)

Green (51%)

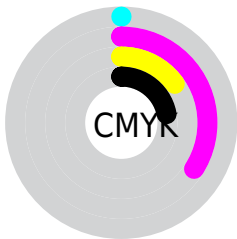
Blue (66%)



Red (78%)

Yellow (51%)

Blue (66%)

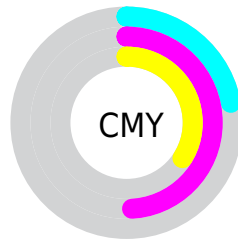


Cyan (0%)

Magenta (34%)

Yellow (15%)

Black (22%)



Cyan (22%)

Magenta (49%)


Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4729, 31.0655, 41.0143 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 38.4729, 31.0655, 41.0143 by changing the saturation by 10% instead.





 38.4729, 31.0655,  
41.0143

 38.4729, 31.0655,  
41.0143

330.8901,  
306.8400, 366.0588


 26.5288, 20.6487,  
28.0105


 72.1316, 61.3432,  
77.9595

 17.3544, 12.8675,  
18.0944


 94.5770, 81.9729,  
102.7380

 10.5844, 7.3374,  
10.8477


 121.2534,  
106.7757, 132.2784

 5.8533, 3.6740,  
5.8516

152.5264,  
136.1360, 166.9993

 2.7959, 1.4929,  
2.6877

188.7612,  
170.4381, 207.3193

 1.0468, 0.2837,  
0.9372

230.3232,

 0.0000, 0.0000,

210.0666, 253.6568

0.0000

277.5777,  
255.4058, 306.4305

■ 38.4729, 31.0655,  
41.0143

■ 38.4729, 31.0655,  
41.0143

■ 35.2654, 25.9274,  
36.0080

■ 42.2467, 37.2453,  
46.4880

■ 32.5913, 21.7681,  
31.4515

■ 46.6119, 44.5165,  
52.4417

■ 30.4185, 18.5247,  
27.3289


■ 51.5953, 52.9305,  
58.8899


■ 28.7098, 16.1251,  
23.6219


■ 57.2213, 62.5344,  
65.8458


■ 27.4228, 14.4860,  
20.3102


■ 63.5127, 73.3726,  
73.3220


 26.5061, 13.5071,  
17.3706

 70.4916, 85.4871,  
81.3305

 26.0675, 13.1173,  
15.7218

 73.3409, 89.2427,  
88.2704

 74.6186, 89.7538,  
94.9990

 75.9607, 90.2906,  
102.0660

# Harmonies

## Analogous

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



35.8280, 31.0655, 54.5564



38.4729, 31.0655, 41.0143



38.5695, 31.0655, 28.2901

# Triad

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



38.4729, 31.0655, 41.0143



27.5250, 31.0655, 15.2714



23.8194, 31.0655, 53.6902

# Complementary

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



38.4729, 31.0655, 41.0143



35.9885, 47.7876, 41.0475

# 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.



22.0210, 31.0655, 40.0386



38.4729, 31.0655, 41.0143



24.0115, 31.0655, 19.1497

# Square

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



38.4729, 31.0655, 41.0143



31.9406, 31.0655, 15.4082



22.0876, 31.0655, 27.5292



27.2378, 31.0655, 63.0309



# Rectangle

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



38.4729, 31.0655, 41.0143



37.1553, 31.0655, 21.9699



22.0876, 31.0655, 27.5292



23.0213, 31.0655, 49.3231

# Sweetspot

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



38.4738, 31.0669, 41.0149



85.6635, 84.0820, 96.9696



32.8145, 27.7885, 57.0608



18.0730, 17.5549, 20.4124



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.



38.4738, 31.0669, 41.0149



63.6261, 47.7797, 65.6622



35.8123, 30.0023, 26.9995



10.8749, 10.7333, 12.3243



16.9959, 8.5479, 10.4541



0.8409, 0.4192, 0.6851



# Inverse Universe

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



38.4738, 31.0669, 41.0149



63.6261, 47.7797, 65.6622



39.2405, 49.0884, 58.1720



10.8749, 10.7333, 12.3243



16.9959, 8.5479, 10.4541



0.8409, 0.4192, 0.6851



# Previews

## White Background



This preview shows how the XYZ color 38.4729, 31.0655, 41.0143 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

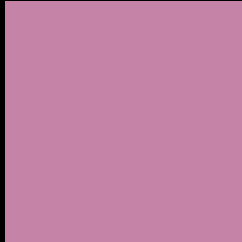
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.4729, 31.0655, 41.0143 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 38.4729, 31.0655, 41.0143**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.4729, 31.0655, 41.0143.



This preview shows how white text looks on a background with the XYZ color 38.4729, 31.0655,



# 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

38.4729, 31.0655, 41.0143

### Protanopia

30.9239, 31.1686, 48.1023

### Deuteranopia

31.7225, 31.0576, 39.9201



## Tritanopia

36.2805, 30.9744, 30.8545

# Trichromacy



## Original Color

38.4729, 31.0655, 41.0143

## Protanomaly

32.9688, 30.6720, 45.2569

## Deuteranomaly

33.8634, 30.8016, 40.2369

## Tritanomaly

37.0398, 31.0859, 34.1850

# Monochromacy



## Original Color

38.4729, 31.0655, 41.0143

## Achromatopsia

31.1553, 32.7778, 35.6950

## Achromatomaly

33.4186, 31.7538, 37.6254

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.4729, 31.0655, 41.0143 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(198, 131, 168)` looks like.

```
.text, #text, p{  
    color:rgb(198, 131, 168)  
}
```

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(198, 131, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 131, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 38.4729, 31.0655, 41.0143 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(198, 131, 168) }
```



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

```
.border{ border-color:rgb(198, 131, 168) }
```

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

Here you see how a box with a 4 pixel rgb(198, 131, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 131, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 131, 168);  
box-shadow:4px 4px 4px 4px rgb(198, 131,  
168) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.4729, 31.0655, 41.0143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 131, 168) }
```

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

```
.background{ background-color: rgb(198,  
131, 168) }
```

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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