

# Converting Colors

XYZ(39.2082, 31.1382, 46.8465)

Have a look what the booklet for  
XYZ(39.2082, 31.1382, 46.8465)  
contains.

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# Color

**XYZ(39.1453, 31.0903,  
46.5857)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C582B3
RGB	197, 130, 179
RGB Percent	77%, 51%, 70%
CMY	0.2274, 0.4902, 0.2980
CMYK	0.00, 0.34, 0.09, 0.23
HSL	316°, 37%, 64%
HSV	316°, 34%, 77%
XYZ	39.1453, 31.0903, 46.5857
YIQ	155.6190, 24.2030, 29.4430

# Conversions

## Conversions Part 2

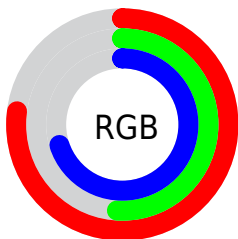
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 130, 179
Decimal	12944051
CIELab	62.58, 33.28, -15.22
CIELCh	63, 36.596, 335.432
Yxy	31.0903, 0.3351, 0.2661
Android (android.graphics.Color)	4291134131 (0xFFC582B3)
YUV	155.6190, 11.5268, 36.2911
Hunter-Lab	55.7587, 27.7380, -10.5050

# Details

The XYZ color **39.1453, 31.0903, 46.5857** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **34.5188, 46.8174, 35.2364**, and the grayscale version is **31.3740, 33.0078, 35.9455**.

A 20% lighter version of the original color is **73.3759, 61.5391, 86.6082**, and **17.7172, 12.8491, 21.2850** is the 20% darker color. If you saturate the color by 10%, you get **36.2466, 26.1328, 43.0290**, and if you desaturate by 10%, it is **42.5681, 37.0621, 50.4191**.

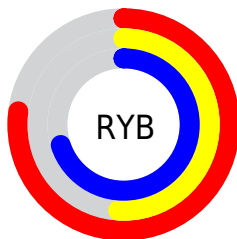
# Distribution



Red (77%)

Green (51%)

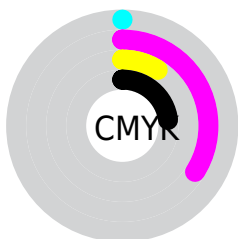
Blue (70%)



Red (77%)

Yellow (51%)

Blue (70%)

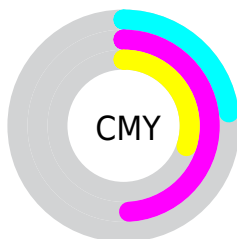


Cyan (0%)

Magenta (34%)

Yellow (9%)

Black (23%)



Cyan (23%)

Magenta (49%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.1453, 31.0903, 46.5857 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 39.1453, 31.0903, 46.5857 by changing the saturation by 10% instead.




 39.1453, 31.0903,  
46.5857


 39.1453, 31.0903,  
46.5857

333.7044,  
306.9541, 389.5042


 27.0540, 20.6676,  
32.3563


 73.1529, 61.3822,  
86.4384

 17.7506, 12.8813,  
21.3667


 95.7999, 82.0202,  
112.8987

 10.8697, 7.3468,  
13.1985


 122.6962,  
106.8322, 144.2730

 6.0459, 3.6799,  
7.4330

154.2071,  
136.2024, 180.9799

 2.9139, 1.4962,  
3.6518

190.6981,  
170.5153, 223.4380

 1.1084, 0.2860,  
1.4363

232.5343,

 0.0321, 0.0000,

210.1553, 272.0657

0.1698

280.0813,  
255.5068, 327.2815

■ 0.0000, 0.0000,  
0.0000

■ 39.1453, 31.0903,  
46.5857

■ 39.1453, 31.0903,  
46.5857

■ 36.2466, 26.1328,  
43.0290

■ 42.5681, 37.0621,  
50.4191

■ 33.8402, 22.1278,  
39.7364

■ 46.5388, 44.0970,  
54.5374

■ 31.8952, 19.0135,  
36.6967


■ 51.0831, 52.2456,  
58.9504


■ 30.3758, 16.7188,  
33.8968


■ 56.2244, 61.5541,  
63.6671


■ 29.2410, 15.1616,  
31.3219


■ 61.9845, 72.0660,  
68.6957


 28.4409, 14.2429,  
28.9542

 68.3844, 83.8227,  
74.0444

 28.0657, 13.8863,  
27.6155

 71.1875, 88.3510,  
78.3019

 71.8832, 88.6293,  
81.9657

 72.6012, 88.9165,  
85.7467

# Harmonies

## Analogous

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



35.4582, 31.0903, 61.4826



39.1453, 31.0903, 46.5857



40.1477, 31.0903, 31.3211

# Triad

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



39.1453, 31.0903, 46.5857



28.6529, 31.0903, 13.2291



22.4131, 31.0903, 52.3749

# Complementary

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



39.1453, 31.0903, 46.5857



34.5188, 46.8174, 35.2364

# 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.



21.0042, 31.0903, 36.5158



39.1453, 31.0903, 46.5857



24.3382, 31.0903, 16.0595

# Square

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



39.1453, 31.0903, 46.5857



33.7142, 31.0903, 14.5312



21.6674, 31.0903, 23.6800



25.7443, 31.0903, 65.4297



# Rectangle

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



39.1453, 31.0903, 46.5857



39.0717, 31.0903, 23.3857



21.6674, 31.0903, 23.6800



21.7171, 31.0903, 47.0512

# Sweetspot

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



39.1462, 31.0917, 46.5863



86.3642, 84.3623, 100.6597



30.2508, 26.2816, 56.3024



18.2429, 17.6229, 21.3070



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.



39.1462, 31.0917, 46.5863



66.0710, 48.7577, 78.5369



36.1696, 29.9011, 30.9116



10.9568, 10.7661, 12.7557



18.4962, 9.1481, 18.3548



0.9048, 0.4448, 1.0218



# Inverse Universe

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



39.1462, 31.0917, 46.5863



66.0710, 48.7577, 78.5369



37.5515, 48.0305, 51.2062



10.9568, 10.7661, 12.7557



18.4962, 9.1481, 18.3548

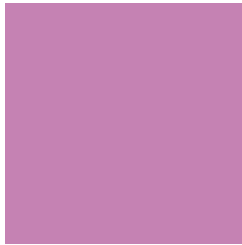


0.9048, 0.4448, 1.0218



# Previews

## White Background



This preview shows how the XYZ color 39.1453, 31.0903, 46.5857 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

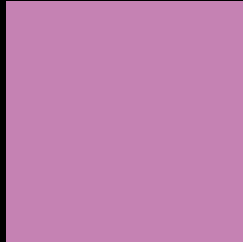
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.1453, 31.0903, 46.5857 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

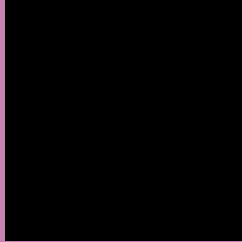
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.1453, 31.0903, 46.5857**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.1453, 31.0903, 46.5857.



This preview shows how white text looks on a background with the XYZ color 39.1453, 31.0903,



# 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

39.1453, 31.0903, 46.5857

### Protanopia

31.5165, 31.3257, 54.8374

### Deuteranopia

31.9439, 31.2830, 45.4289



## Tritanopia

36.0629, 31.0524, 31.6967

# Trichromacy



## Original Color

39.1453, 31.0903, 46.5857

## Protanomaly

33.5975, 30.8528, 51.7614

## Deuteranomaly

34.0383, 30.7701, 45.7402

## Tritanomaly

37.0312, 31.0227, 36.8371

# Monochromacy



## Original Color

39.1453, 31.0903, 46.5857

## Achromatopsia

31.5995, 33.2452, 36.2040

## Achromatomaly

33.9291, 32.2057, 39.5500

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.1453, 31.0903, 46.5857 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(197, 130, 179)` looks like.

```
.text, #text, p{  
    color:rgb(197, 130, 179)  
}
```

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(197, 130, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 130, 179) }
```

## Border

The CSS property to change the border of an element to XYZ 39.1453, 31.0903, 46.5857 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(197, 130, 179) }
```



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

```
.border{ border-color:rgb(197, 130, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 130, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 130, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 130, 179);  
box-shadow:4px 4px 4px 4px rgb(197, 130,  
179) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.1453, 31.0903, 46.5857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 130, 179) }
```

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

```
.background{ background-color: rgb(197,  
130, 179) }
```

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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