

# Converting Colors

XYZ(47.2696, 39.6375, 67.9142)

Have a look what the booklet for  
XYZ(47.2696, 39.6375, 67.9142)  
contains.

|                                                |    |
|------------------------------------------------|----|
| <b>XYZ(47.3259, 39.6781, 68.1151)</b> .....    | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 12 |
| <b><i>Previews</i></b> .....                   | 24 |
| <b><i>Color Blindness Simulation</i></b> ..... | 28 |
| <b><i>CSS Examples</i></b> .....               | 31 |

# Color

**XYZ(47.3259, 39.6781,  
68.1151)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>              |
|---------------|---------------------------|
| Hex           | C998D5                    |
| RGB           | 201, 152, 213             |
| RGB Percent   | 79%, 60%, 84%             |
| CMY           | 0.2118, 0.4039, 0.1647    |
| CMYK          | 0.06, 0.29, 0.00, 0.16    |
| HSL           | 288°, 42%, 72%            |
| HSV           | 288°, 29%, 84%            |
| XYZ           | 47.3259, 39.6781, 68.1151 |
| YIQ           | 173.6050, 9.6230, 29.3590 |

# Conversions

## Conversions Part 2

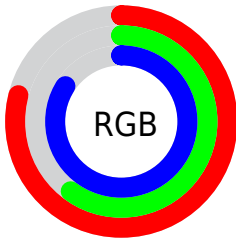
| Format                              | Color                                          |
|-------------------------------------|------------------------------------------------|
| <a href="#">RYB</a>                 | <a href="#">201, 152, 213</a>                  |
| Decimal                             | <a href="#">13211861</a>                       |
| CIELab                              | <a href="#">69.24, 28.89, -24.09</a>           |
| CIELCh                              | <a href="#">69, 37.611, 320.179</a>            |
| Yxy                                 | <a href="#">39.6781, 0.3051,<br/>0.2558</a>    |
| Android<br>(android.graphics.Color) | <a href="#">4291401941<br/>(0xFFC998D5)</a>    |
| YUV                                 | <a href="#">173.6050, 19.4217,<br/>24.0254</a> |
| Hunter-Lab                          | <a href="#">62.9906, 23.8767,<br/>-20.0201</a> |

# Details

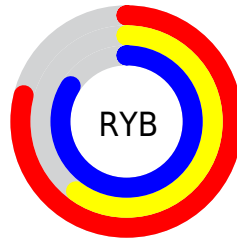
The XYZ color **47.3259, 39.6781, 68.1151** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.7729, 57.7490, 38.4946**, and the grayscale version is **39.9309, 42.0104, 45.7494**.

A 20% lighter version of the original color is **81.6028, 73.1056, 104.4176**, and **22.5828, 17.6940, 34.5728** is the 20% darker color. If you saturate the color by 10%, you get **43.0636, 32.8023, 67.0132**, and if you desaturate by 10%, it is **52.2422, 47.8147, 69.4271**.

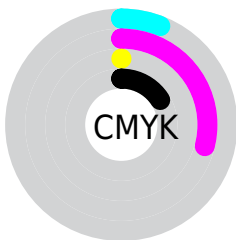
# Distribution



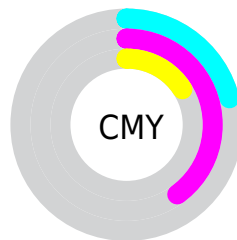
- Red (79%)
- Green (60%)
- Blue (84%)



- Red (79%)
- Yellow (60%)
- Blue (84%)



- Cyan (6%)
- Magenta (29%)
- Yellow (0%)
- Black (16%)




- Cyan (21%)
- Magenta (40%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3259, 39.6781, 68.1151 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 47.3259, 39.6781, 68.1151 by changing the saturation by 10% instead.




 47.3259, 39.6781,  
68.1151


 47.3259, 39.6781,  
68.1151


366.7411,  
344.7649, 472.5128

 33.5024, 27.2877,  
49.5241


 85.4157, 74.6731,  
118.1726

 22.6727, 17.7894,  
34.6669


 110.4126, 98.0464,  
150.4761

 14.4714, 10.7989,  
23.1249


139.8648,  
125.8495, 188.1876

 8.5331, 5.9318,  
14.4796

174.1375,  
158.4667, 231.7255

 4.4926, 2.8036,  
8.3124

213.5962,  
196.2825, 281.5085

 1.9844, 1.0301,  
4.2049

258.6061,

 0.6252, 0.0000,

239.6812, 337.9550

1.7384

309.5326,  
289.0472, 401.4836

■ 0.0000, 0.0000,  
0.3869

■ 0.0000, 0.0000,  
0.0000

■ 47.3259, 39.6781,  
68.1151

■ 47.3259, 39.6781,  
68.1151

■ 43.0636, 32.8023,  
67.0132

■ 52.2422, 47.8147,  
69.4271

■ 39.4181, 27.1156,  
66.1077

■ 57.8397, 57.2685,  
70.9569

■ 36.3541, 22.5469,  
65.3873

■ 64.1487, 68.0989,  
72.7148

■ 33.8309, 19.0153,  
64.8387

■ 71.1963, 80.3600,  
74.7100

31.8023, 16.4290,  
64.4464

77.8800, 91.8462,  
76.5748

30.2142, 14.6797,  
64.1924

79.1791, 92.5160,  
76.6356

28.9829, 13.6006,  
64.0490

80.5104, 93.2023,  
76.6979

28.8266, 13.4732,  
64.0327

81.8740, 93.9052,  
76.7617

83.2702, 94.6250,  
76.8270

# Harmonies

## Analogous

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



41.8508, 39.6781, 82.4131



47.3259, 39.6781, 68.1151



50.3146, 39.6781, 49.1108

# Triad

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



47.3259, 39.6781, 68.1151



39.7230, 39.6781, 18.0685



27.8531, 39.6781, 55.6845

# Complementary

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



47.3259, 39.6781, 68.1151



44.7729, 57.7490, 38.4946

# 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.



27.4133, 39.6781, 37.7885



47.3259, 39.6781, 68.1151



33.8571, 39.6781, 18.9493

# Square

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



47.3259, 39.6781, 68.1151



45.6264, 39.6781, 22.4065



29.4986, 39.6781, 25.2526



30.7717, 39.6781, 74.0138



# Rectangle

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



47.3259, 39.6781, 68.1151



50.2994, 39.6781, 37.6019



29.4986, 39.6781, 25.2526



27.4234, 39.6781, 49.3338

# Sweetspot

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



47.3272, 39.6798, 68.1160



86.5192, 85.3751, 106.5267



38.2720, 38.1039, 68.2890



18.2414, 17.8024, 22.7247



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.



47.3272, 39.6798, 68.1160



67.3493, 53.5037, 101.3853



48.4865, 40.5309, 56.7210



12.7025, 12.5036, 15.6815



17.6924, 8.2733, 39.1176



1.1296, 0.5312, 2.3623



# Inverse Universe

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



45.3710, 39.2847, 40.3151



64.0926, 52.8940, 52.9275



44.0287, 57.1786, 46.8969



12.5221, 12.4603, 13.4238



17.0451, 8.7543, 2.2754



1.0577, 0.5399, 0.2933



# Previews

## White Background



This preview shows how the XYZ color 47.3259, 39.6781, 68.1151 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

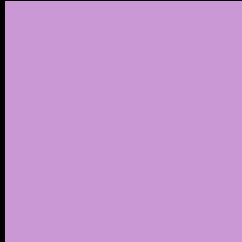
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.3259, 39.6781, 68.1151 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

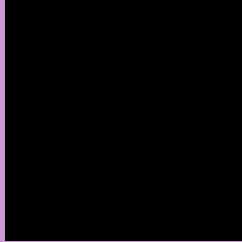
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.3259, 39.6781, 68.1151**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.3259, 39.6781, 68.1151.



This preview shows how white text looks on a background with the XYZ color 47.3259, 39.6781,



# 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

47.3259, 39.6781, 68.1151

### Protanopia

40.5997, 39.8893, 76.0806

### Deuteranopia

40.7861, 39.9249, 66.5294



## Tritanopia

42.5229, 39.7223, 44.4557

# Trichromacy



## Original Color

47.3259, 39.6781, 68.1151

## Protanomaly

42.6332, 39.6659, 73.1194

## Deuteranomaly

42.8628, 39.6579, 67.0236

## Tritanomaly

44.0526, 39.5721, 52.3301

# Monochromacy



## Original Color

47.3259, 39.6781, 68.1151

## Achromatopsia

40.2316, 42.3268, 46.0938

## Achromatomaly

42.4805, 41.0936, 53.2699

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.3259, 39.6781, 68.1151 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(201, 152, 213)` looks like.

```
.text, #text, p{  
    color:rgb(201, 152, 213)  
}
```

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(201, 152, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 152, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 47.3259, 39.6781, 68.1151 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(201, 152, 213) }
```



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

```
.border{ border-color:rgb(201, 152, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 152, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 152, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 152, 213);  
box-shadow:4px 4px 4px 4px rgb(201, 152,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.3259, 39.6781, 68.1151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 152, 213) }
```

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

```
.background{ background-color: rgb(201,  
152, 213) }
```

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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