

# Converting Colors

XYZ(47.3011, 43.1638, 62.9651)

Have a look what the booklet for  
XYZ(47.3011, 43.1638, 62.9651)  
contains.

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# Color

**XYZ(47.3802, 43.1402,  
62.9564)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C5A5CC
RGB	197, 165, 204
RGB Percent	77%, 65%, 80%
CMY	0.2274, 0.3529, 0.2000
CMYK	0.03, 0.19, 0.00, 0.20
HSL	289°, 28%, 72%
HSV	289°, 19%, 80%
XYZ	47.3802, 43.1402, 62.9564
YIQ	179.0140, 6.5530, 18.9130

# Conversions

## Conversions Part 2

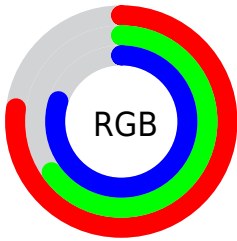
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 165, 204
Decimal	12953036
CIELab	71.65, 18.65, -15.50
CIELCh	72, 24.248, 320.273
Yxy	43.1402, 0.3087, 0.2811
Android (android.graphics.Color)	4291143116 (0xFFC5A5CC)
YUV	179.0140, 12.3181, 15.7737
Hunter-Lab	65.6812, 13.8218, -10.8535

# Details

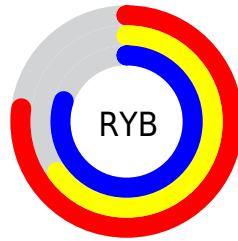
The XYZ color **47.3802, 43.1402, 62.9564** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **45.3991, 54.6740, 43.7597**, and the grayscale version is **42.7903, 45.0187, 49.0254**.

A 20% lighter version of the original color is **84.5163, 79.4772, 105.4939**, and **22.7378, 19.8519, 31.4875** is the 20% darker color. If you saturate the color by 10%, you get **43.0434, 35.8720, 61.7827**, and if you desaturate by 10%, it is **52.3298, 51.5979, 64.3287**.

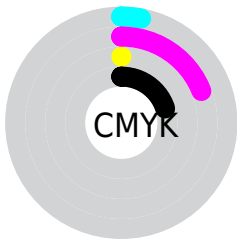
# Distribution



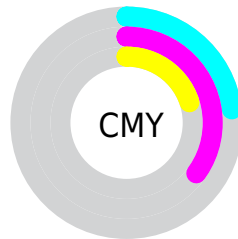
- Red (77%)
- Green (65%)
- Blue (80%)



- Red (77%)
- Yellow (65%)
- Blue (80%)



- Cyan (3%)
- Magenta (19%)
- Yellow (0%)
- Black (20%)




- Cyan (23%)
- Magenta (35%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3802, 43.1402, 62.9564 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 47.3802, 43.1402, 62.9564 by changing the saturation by 10% instead.





 47.3802, 43.1402,  
62.9564

 47.3802, 43.1402,  
62.9564


366.9537,  
359.1880, 453.5148

 33.5455, 29.9951,  
45.3652

 85.4962, 79.9224,  
110.6916

 22.7059, 19.8349,  
31.4001


 110.5082,  
104.3283, 141.6726

 14.4960, 12.2751,  
20.6427


139.9766,  
133.2566, 177.9540

 8.5504, 6.9313,  
12.6744

174.2669,  
167.0917, 219.9542

 4.5039, 3.4192,  
7.0766

213.7445,  
206.2180, 268.0919

 1.9910, 1.3543,  
3.4309

258.7745,

 0.6289, 0.1827,

251.0199, 322.7855

1.3186

309.7225,  
301.8818, 384.4536

■ 0.0000, 0.0000,  
0.0770

■ 0.0000, 0.0000,  
0.0000

■ 47.3802, 43.1402,  
62.9564

■ 47.3802, 43.1402,  
62.9564

■ 43.0434, 35.8720,  
61.7827

■ 52.3298, 51.5979,  
64.3287

■ 39.2875, 29.7320,  
60.7955

■ 57.9144, 61.2915,  
65.9054

■ 36.0837, 24.6622,  
59.9858

■ 64.1598, 72.2717,  
67.6956

■ 33.3990, 20.5966,  
59.3426

■ 71.0891, 84.5845,  
69.7070

■ 31.1967, 17.4624,  
58.8537

■ 74.7744, 90.3736,  
70.6302

■ 29.4353, 15.1765,  
58.5053

■ 75.8638, 90.9352,  
70.6812

■ 28.0656, 13.6410,  
58.2811

■ 76.9774, 91.5093,  
70.7333

■ 27.0055, 12.6918,  
58.1538

■ 78.1154, 92.0960,  
70.7865

■ 26.9172, 12.6173,  
58.1440

■ 79.2780, 92.6953,  
70.8409

# Harmonies

## Analogous

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



43.8003, 43.1402, 71.5352



47.3802, 43.1402, 62.9564



49.2877, 43.1402, 50.8971

# Triad

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



47.3802, 43.1402, 62.9564



42.3519, 43.1402, 28.0252



34.0344, 43.1402, 55.2504

# Complementary

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



47.3802, 43.1402, 62.9564



45.3991, 54.6740, 43.7597

# 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.



33.7038, 43.1402, 43.2547



47.3802, 43.1402, 62.9564



38.3283, 43.1402, 28.7944

# Square

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



47.3802, 43.1402, 62.9564



46.2593, 43.1402, 31.6401



35.2262, 43.1402, 33.9523



36.1616, 43.1402, 66.5966



# Rectangle

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



47.3802, 43.1402, 62.9564



49.2729, 43.1402, 43.0543



35.2262, 43.1402, 33.9523



33.7152, 43.1402, 51.1211

# Sweetspot

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



47.3815, 43.1421, 62.9573



89.3587, 90.1066, 107.2903



41.1990, 41.9231, 63.0479



18.9990, 19.0660, 22.9287



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.



47.3815, 43.1421, 62.9573



75.3416, 66.1758, 103.4100



47.8339, 43.5397, 55.5502



11.4824, 11.2980, 14.1459



17.0134, 7.9783, 36.5995



0.9306, 0.4389, 1.8906



# Inverse Universe

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



45.8048, 42.7280, 44.8647



72.3064, 65.3969, 67.7645



45.0821, 54.3744, 49.8991



11.2932, 11.2460, 12.0785



15.9047, 8.1725, 1.9508



0.8462, 0.4319, 0.2359



# Previews

## White Background



This preview shows how the XYZ color 47.3802, 43.1402, 62.9564 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

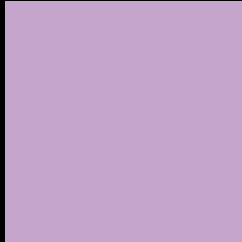
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.3802, 43.1402, 62.9564 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

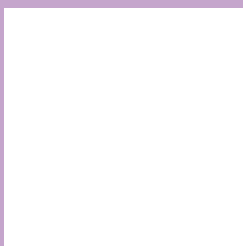
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 47.3802, 43.1402, 62.9564**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.3802, 43.1402, 62.9564.



This preview shows how white text looks on a background with the XYZ color 47.3802, 43.1402,



# 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

47.3802, 43.1402, 62.9564

### Protanopia

42.9174, 43.2501, 67.0589

### Deuteranopia

44.1648, 43.1409, 62.4992



## Tritanopia

44.8796, 43.2227, 50.2334

# Trichromacy



## Original Color

47.3802, 43.1402, 62.9564

## Protanomaly

44.5385, 43.2636, 65.6778

## Deuteranomaly

45.2172, 43.1268, 62.4410

## Tritanomaly

45.8026, 43.3251, 54.6637

# Monochromacy



## Original Color

47.3802, 43.1402, 62.9564

## Achromatopsia

42.8472, 45.0786, 49.0906

## Achromatomaly

44.4629, 44.3420, 53.7924

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.3802, 43.1402, 62.9564 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, 165, 204)` looks like.

```
.text, #text, p{  
    color:rgb(197, 165, 204)  
}
```

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, 165, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 165, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 47.3802, 43.1402, 62.9564 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, 165, 204) }
```



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

```
.border{ border-color:rgb(197, 165, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 165, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 165, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 165, 204);  
box-shadow:4px 4px 4px 4px rgb(197, 165,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.3802, 43.1402, 62.9564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 165, 204) }
```

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

```
.background{ background-color: rgb(197,  
165, 204) }
```

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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