

# Converting Colors

XYZ(49.7788, 43.0560, 64.1387)

Have a look what the booklet for  
XYZ(49.7788, 43.0560, 64.1387)  
contains.

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# Color

**XYZ(49.7238, 43.0077,  
64.0731)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0A0CE
RGB	208, 160, 206
RGB Percent	82%, 63%, 81%
CMY	0.1843, 0.3725, 0.1922
CMYK	0.00, 0.23, 0.01, 0.18
HSL	303°, 34%, 72%
HSV	303°, 23%, 82%
XYZ	49.7238, 43.0077, 64.0731
YIQ	179.5960, 13.8420, 24.4820

# Conversions

## Conversions Part 2

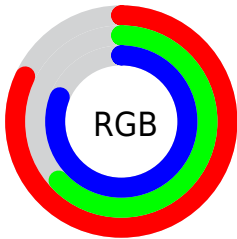
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	208, 160, 206
Decimal	13672654
CIE Lab	71.56, 25.47, -16.63
CIE LCh	72, 30.418, 326.853
Yxy	43.0077, 0.3171, 0.2743
Android (android.graphics.Color)	4291862734 (0xFFD0A0CE)
YUV	179.5960, 13.0172, 24.9103
Hunter-Lab	65.5803, 20.5756, -12.0212

# Details

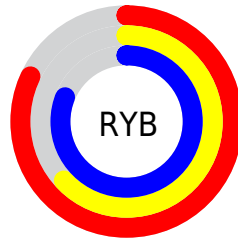
The XYZ color **49.7238, 43.0077, 64.0731** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.5764, 55.1953, 42.5418**, and the grayscale version is **43.0944, 45.3387, 49.3738**.

A 20% lighter version of the original color is **83.5904, 77.0809, 105.0801**, and **24.1669, 19.7644, 32.2469** is the 20% darker color. If you saturate the color by 10%, you get **46.3107, 36.3489, 62.4177**, and if you desaturate by 10%, it is **53.7433, 50.8770, 65.9345**.

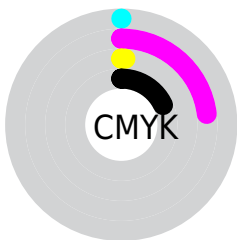
# Distribution



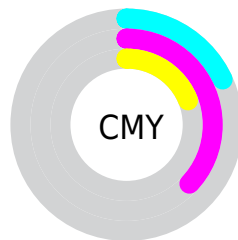
- Red (82%)
- Green (63%)
- Blue (81%)



- Red (82%)
- Yellow (63%)
- Blue (81%)



- Cyan (0%)
- Magenta (23%)
- Yellow (1%)
- Black (18%)




- Cyan (18%)
- Magenta (37%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7238, 43.0077, 64.0731 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 49.7238, 43.0077, 64.0731 by changing the saturation by 10% instead.





 49.7238, 43.0077,  
64.0731


 49.7238, 43.0077,  
64.0731


376.0547,  
358.6434, 457.6683

 35.4109, 29.8912,  
46.2633


 88.9598, 79.7225,  
112.3167

 24.1476, 19.7560,  
32.1035


 114.6136,  
104.0895, 143.5876

 15.5684, 12.2178,  
21.1751


144.7783,  
132.9755, 180.1826

 9.3082, 6.8922,  
13.0596

179.8195,  
166.7648, 222.5202

 5.0015, 3.3948,  
7.3384

220.1023,  
205.8419, 271.0191

 2.2829, 1.3411,  
3.5930

265.9923,

 0.7859, 0.1727,

250.5911, 326.0977

1.4048

317.8546,  
301.3968, 388.1746

■ 0.0000, 0.0000,  
0.1455

■ 0.0000, 0.0000,  
0.0000

■ 49.7238, 43.0077,  
64.0731

■ 49.7238, 43.0077,  
64.0731

■ 46.3107, 36.3489,  
62.4177

■ 53.7433, 50.8770,  
65.9345

■ 43.4701, 30.8349,  
60.9555

■ 58.3933, 60.0070,  
68.0084

■ 41.1708, 26.4025,  
59.6766

■ 63.7012, 70.4518,  
70.3045

■ 39.3769, 22.9800,  
58.5690

■ 69.6916, 82.2608,  
72.8310

38.0484, 20.4873,  
57.6193

73.4475, 89.6000,  
74.6156

37.1389, 18.8318,  
56.8122

73.5561, 89.6434,  
75.1873

36.5928, 17.9021,  
56.1291

73.6652, 89.6871,  
75.7620

36.3603, 17.5491,  
55.7062

73.7750, 89.7310,  
76.3398

73.8853, 89.7751,  
76.9208

# Harmonies

## Analogous

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



45.5065, 43.0077, 76.8933



49.7238, 43.0077, 64.0731



51.5617, 43.0077, 48.3991

# Triad

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



49.7238, 43.0077, 64.0731



41.4225, 43.0077, 23.8696



32.6785, 43.0077, 60.8131

# Complementary

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



49.7238, 43.0077, 64.0731



43.5764, 55.1953, 42.5418

# 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.



31.7817, 43.0077, 45.2914



49.7238, 43.0077, 64.0731



36.5736, 43.0077, 25.8421

# Square

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



49.7238, 43.0077, 64.0731



46.5234, 43.0077, 26.9016



33.1481, 43.0077, 32.9933



35.7080, 43.0077, 74.7509



# Rectangle

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



49.7238, 43.0077, 64.0731



51.0850, 43.0077, 39.0916



33.1481, 43.0077, 32.9933



32.1293, 43.0077, 55.5233

# Sweetspot

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



49.7251, 43.0096, 64.0740



89.4981, 89.0874, 106.4596



38.7770, 37.3374, 64.8385



19.0590, 18.8774, 22.7435



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.



49.7251, 43.0096, 64.0740



75.8720, 62.4048, 100.1620



47.0696, 41.9474, 50.0905



12.2886, 12.0002, 14.7957



22.6706, 10.9411, 34.7674



1.2744, 0.6145, 1.9796



# Inverse Universe

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



49.7251, 43.0096, 64.0740



75.8720, 62.4048, 100.1620



45.8751, 56.1148, 54.6467



12.2886, 12.0002, 14.7957



22.6706, 10.9411, 34.7674

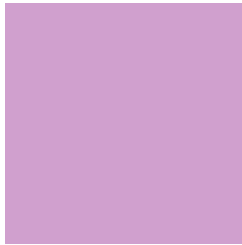


1.2744, 0.6145, 1.9796



# Previews

## White Background



This preview shows how the XYZ color 49.7238, 43.0077, 64.0731 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

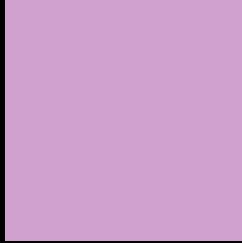
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.7238, 43.0077, 64.0731 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

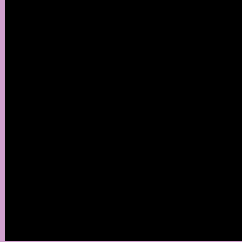
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 49.7238, 43.0077, 64.0731**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.7238, 43.0077, 64.0731.



This preview shows how white text looks on a background with the XYZ color 49.7238, 43.0077,



# 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

49.7238, 43.0077, 64.0731

### Protanopia

43.1277, 43.2854, 70.3718

### Deuteranopia

44.0524, 43.0692, 63.1181



## Tritanopia

46.3929, 42.9620, 47.9668

# Trichromacy



## Original Color

49.7238, 43.0077, 64.0731

## Protanomaly

45.1277, 42.9532, 68.1997

## Deuteranomaly

46.0734, 42.9924, 63.6276

## Tritanomaly

47.3511, 42.8044, 53.3433

# Monochromacy



## Original Color

49.7238, 43.0077, 64.0731

## Achromatopsia

43.3819, 45.6411, 49.7032

## Achromatomaly

45.3641, 44.5084, 54.3442

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.7238, 43.0077, 64.0731 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(208, 160, 206)` looks like.

```
.text, #text, p{  
    color:rgb(208, 160, 206)  
}
```

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(208, 160, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 160, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 49.7238, 43.0077, 64.0731 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(208, 160, 206) }
```



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

```
.border{ border-color:rgb(208, 160, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 160, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 160, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 160, 206);  
box-shadow:4px 4px 4px 4px rgb(208, 160,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.7238, 43.0077, 64.0731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 160, 206) }
```

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

```
.background{ background-color: rgb(208,  
160, 206) }
```

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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