

Converting Colors

XYZ(50.0220, 43.4433, 63.1587)

Have a look what the booklet for
XYZ(50.0220, 43.4433, 63.1587)
contains.

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Color

**XYZ(49.9384, 43.4047,
62.8726)**

Conversions

Conversions Part 1

Format	Color
Hex	D1A1CC
RGB	209, 161, 204
RGB Percent	82%, 63%, 80%
CMY	0.1804, 0.3686, 0.2000
CMYK	0.00, 0.23, 0.02, 0.18
HSL	306°, 34%, 73%
HSV	306°, 23%, 82%
XYZ	49.9384, 43.4047, 62.8726
YIQ	180.2540, 14.8050, 23.5490

Conversions

Conversions Part 2

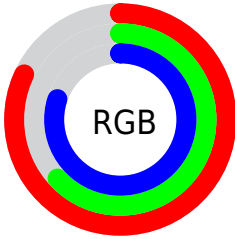
Format	Color
R _Y B	209, 161, 204
Decimal	13738444
CIE Lab	71.83, 24.89, -15.12
CIE LCh	72, 29.120, 328.729
Yxy	43.4047, 0.3197, 0.2779
Android (android.graphics.Color)	4291928524 (0xFFD1A1CC)
YUV	180.2540, 11.7068, 25.2102
Hunter-Lab	65.8822, 20.0082, -10.4639

Details

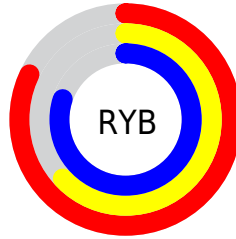
The XYZ color **49.9384, 43.4047, 62.8726** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.3831, 55.9324, 44.5356**, and the grayscale version is **43.4534, 45.7164, 49.7852**.

A 20% lighter version of the original color is **83.8459, 77.5917, 105.1653**, and **24.3001, 20.0093, 31.4356** is the 20% darker color. If you saturate the color by 10%, you get **46.3280, 36.5982, 60.3901**, and if you desaturate by 10%, it is **54.1655, 51.4374, 65.5797**.

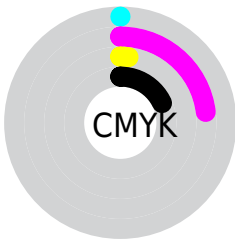
Distribution



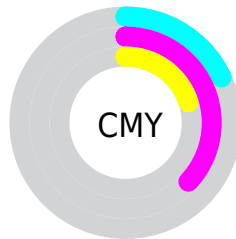
- Red (82%)
- Green (63%)
- Blue (80%)



- Red (82%)
- Yellow (63%)
- Blue (80%)



- Cyan (0%)
- Magenta (23%)
- Yellow (2%)
- Black (18%)





- Cyan (18%)
- Magenta (37%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9384, 43.4047, 62.8726 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 49.9384, 43.4047, 62.8726 by changing the saturation by 10% instead.


 49.9384, 43.4047,
62.8726

 49.9384, 43.4047,
62.8726


376.8810,
360.2735, 453.2022

 35.5821, 30.2028,
45.2978


 89.2760, 80.3212,
110.5695

 24.2802, 19.9926,
31.3474


 114.9879,
104.8046, 141.5287

 15.6675, 12.3896,
20.6029


145.2157,
133.8172, 177.7864

 9.3785, 7.0096,
12.6456

180.3248,
167.7436, 219.7612

 5.0480, 3.4681,
7.0571

220.6806,
206.9680, 267.8717

 2.3105, 1.3807,
3.4189

266.6482,

 0.8000, 0.2025,

251.8748, 322.5363

1.3123

318.5933,
302.8485, 384.1736

■ 0.0000, 0.0000,
0.0718

■ 0.0000, 0.0000,
0.0000

■ 49.9384, 43.4047,
62.8726

■ 49.9384, 43.4047,
62.8726

■ 46.3280, 36.5982,
60.3901

■ 54.1655, 51.4374,
65.5797

■ 43.3000, 30.9515,
58.1192

■ 59.0337, 60.7469,
68.5180

■ 40.8229, 26.4007,
56.0497

■ 64.5707, 71.3882,
71.6975

■ 38.8604, 22.8733,
54.1696

■ 70.8014, 83.4111,
75.1264

37.3719, 20.2883,
52.4653

74.3061, 89.9760,
77.6650

36.3108, 18.5522,
50.9210

74.5876, 90.0886,
79.1475

35.6207, 17.5525,
49.5180

74.8729, 90.2027,
80.6497

35.2888, 17.1531,
48.5926

75.1619, 90.3183,
82.1717

75.4547, 90.4354,
83.7135

Harmonies

Analogous

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



46.0020, 43.4047, 75.4267



49.9384, 43.4047, 62.8726



51.5231, 43.4047, 47.8677

Triad

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



49.9384, 43.4047, 62.8726



41.4664, 43.4047, 24.9073



33.4573, 43.4047, 61.6140

Complementary

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



49.9384, 43.4047, 62.8726



44.3831, 55.9324, 44.5356

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.



32.4505, 43.4047, 46.6581



49.9384, 43.4047, 62.8726



36.8461, 43.4047, 27.1572

Square

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



49.9384, 43.4047, 62.8726



46.3965, 43.4047, 27.5773



33.6412, 43.4047, 34.4735



36.5079, 43.4047, 74.6037

Rectangle

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



49.9384, 43.4047, 62.8726



50.9434, 43.4047, 39.0354



33.6412, 43.4047, 34.4735



32.8799, 43.4047, 56.5663

Sweetspot

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



49.9397, 43.4066, 62.8735



89.3196, 89.0161, 105.5200



39.9394, 38.1809, 65.5869



19.0175, 18.8608, 22.5251



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.



49.9397, 43.4066, 62.8735



75.1729, 62.1252, 96.4802



47.2995, 42.3505, 48.9702



12.2555, 11.9869, 14.6213



21.7794, 10.5846, 30.0741



1.2334, 0.5981, 1.7638

Inverse Universe

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



49.9397, 43.4066, 62.8735



75.1729, 62.1252, 96.4802



46.7724, 56.8881, 57.1175



12.2555, 11.9869, 14.6213



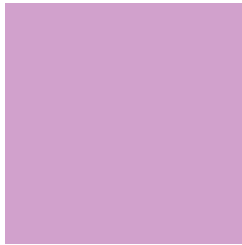
21.7794, 10.5846, 30.0741



1.2334, 0.5981, 1.7638

Previews

White Background



This preview shows how the XYZ color 49.9384, 43.4047, 62.8726 looks on a white background.

Color Contrast Check

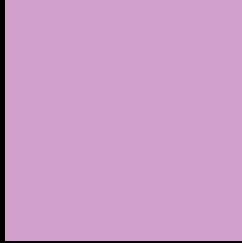
Large Text (above 18pt) WCAG AA × Fail

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 49.9384, 43.4047, 62.8726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

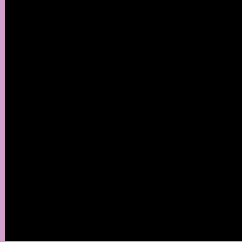
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9384, 43.4047, 62.8726

Background



This preview shows how black text looks on a background with the XYZ color 49.9384, 43.4047, 62.8726.



This preview shows how white text looks on a background with the XYZ color 49.9384, 43.4047,

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

49.9384, 43.4047, 62.8726

Protanopia

43.4887, 43.7889, 69.1108

Deuteranopia

44.4692, 43.5931, 61.9476



Tritanopia

47.1257, 43.6086, 48.0530

Trichromacy



Original Color

49.9384, 43.4047, 62.8726

Protanomaly

45.5360, 43.4699, 66.9633

Deuteranomaly

46.2680, 43.3934, 62.4371

Tritanomaly

47.9772, 43.4042, 52.8629

Monochromacy



Original Color

49.9384, 43.4047, 62.8726

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

45.6147, 44.6376, 54.3559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9384, 43.4047, 62.8726 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(209, 161, 204)` looks like.

```
.text, #text, p{  
    color:rgb(209, 161, 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(209, 161, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 161, 204) }
```

Border

The CSS property to change the border of an element to XYZ 49.9384, 43.4047, 62.8726 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(209, 161, 204) }
```


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

```
.border{ border-color:rgb(209, 161, 204) }
```

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

Here you see how a box with a 4 pixel rgb(209, 161, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 161, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 161, 204);  
box-shadow:4px 4px 4px 4px rgb(209, 161,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9384, 43.4047, 62.8726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 161, 204) }
```

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

```
.background{ background-color: rgb(209,  
161, 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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