

# Converting Colors

XYZ(49.8385, 41.2569, 63.2659)

Have a look what the booklet for  
XYZ(49.8385, 41.2569, 63.2659)  
contains.

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# Color

**XYZ(49.8513, 41.3364,  
63.1089)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D599CD
RGB	213, 153, 205
RGB Percent	84%, 60%, 80%
CMY	0.1647, 0.4000, 0.1961
CMYK	0.00, 0.28, 0.04, 0.16
HSL	308°, 42%, 72%
HSV	308°, 28%, 84%
XYZ	49.8513, 41.3364, 63.1089
YIQ	176.8680, 19.0680, 28.8920

# Conversions

## Conversions Part 2

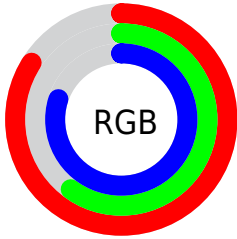
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	213, 153, 205
Decimal	13998541
CIE <sub>Lab</sub>	70.41, 30.77, -17.77
CIE <sub>LCh</sub>	70, 35.528, 329.992
Yxy	41.3364, 0.3231, 0.2679
Android (android.graphics.Color)	4292188621 (0xFFD599CD)
YUV	176.8680, 13.8691, 31.6878
Hunter-Lab	64.2934, 25.8905, -13.1923

# Details

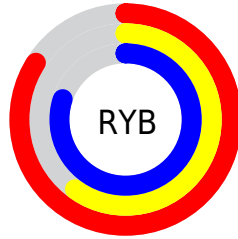
The XYZ color **49.8513, 41.3364, 63.1089** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.3659, 56.9354, 42.4247**, and the grayscale version is **41.6443, 43.8131, 47.7125**.

A 20% lighter version of the original color is **81.8459, 73.5918, 104.4986**, and **24.3401, 18.8108, 31.6261** is the 20% darker color. If you saturate the color by 10%, you get **46.3320, 34.8408, 60.2599**, and if you desaturate by 10%, it is **54.0017, 49.0827, 66.1999**.

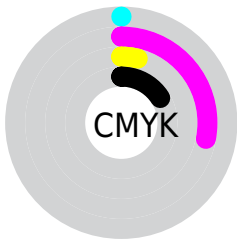
# Distribution



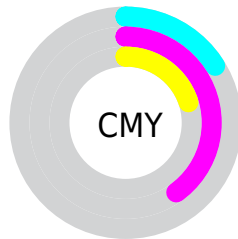
- Red (84%)
- Green (60%)
- Blue (80%)



- Red (84%)
- Yellow (60%)
- Blue (80%)



- Cyan (0%)
- Magenta (28%)
- Yellow (4%)
- Black (16%)




- Cyan (16%)
- Magenta (40%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8513, 41.3364, 63.1089 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 49.8513, 41.3364, 63.1089 by changing the saturation by 10% instead.





 49.8513, 41.3364,  
63.1089

 49.8513, 41.3364,  
63.1089


376.5458,  
351.7246, 454.0834

 35.5126, 28.5820,  
45.4877


 89.1477, 77.1943,  
110.9137

 24.2263, 18.7649,  
31.4960


 114.8360,  
101.0666, 141.9344

 15.6273, 11.5005,  
20.7152


145.0383,  
129.4137, 178.2588

 9.3499, 6.4045,  
12.7268

180.1198,  
162.6200, 220.3052

 5.0291, 3.0926,  
7.1122

220.4460,  
201.0698, 268.4924

 2.2993, 1.1803,  
3.4528

266.3821,

 0.7943, 0.0455,

245.1476, 323.2388

1.3303

318.2936,  
295.2377, 384.9630

■ 0.0000, 0.0000,  
0.0864

■ 0.0000, 0.0000,  
0.0000

■ 49.8513, 41.3364,  
63.1089

■ 49.8513, 41.3364,  
63.1089

■ 46.3320, 34.8408,  
60.2599

■ 54.0017, 49.0827,  
66.1999

■ 43.4067, 29.5241,  
57.6390

■ 58.8099, 58.1355,  
69.5406

■ 41.0406, 25.3159,  
55.2348

■ 64.3060, 68.5539,  
73.1416

■ 39.1934, 22.1358,  
53.0339

■ 70.5169, 80.3917,  
77.0121

37.8197, 19.8927,  
51.0208

76.0139, 90.7915,  
80.6760

36.8657, 18.4794,  
49.1776

76.3916, 90.9426,  
82.6649

36.2528, 17.7389,  
47.4778

76.7757, 91.0962,  
84.6876

36.1555, 17.6322,  
47.1745

77.1662, 91.2524,  
86.7442

77.5633, 91.4113,  
88.8350

# Harmonies

## Analogous

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



45.1814, 41.3364, 79.0524



49.8513, 41.3364, 63.1089



51.6386, 41.3364, 45.0130

# Triad

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



49.8513, 41.3364, 63.1089



39.2906, 41.3364, 19.8772



30.3337, 41.3364, 63.0988

# Complementary

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



49.8513, 41.3364, 63.1089



43.3659, 56.9354, 42.4247

# 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.



29.0843, 41.3364, 45.0037



49.8513, 41.3364, 63.1089



33.9326, 41.3364, 22.4839

# Square

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



49.8513, 41.3364, 63.1089



45.1844, 41.3364, 22.4869



30.3351, 41.3364, 30.7489



33.9301, 41.3364, 79.0456



# Rectangle

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



49.8513, 41.3364, 63.1089



50.8300, 41.3364, 34.8730



30.3351, 41.3364, 30.7489



29.6422, 41.3364, 56.9386

# Sweetspot

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



49.8526, 41.3382, 63.1098



88.4490, 87.4939, 104.5543



38.1013, 35.1658, 67.7312



18.6823, 18.2562, 22.2101



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.



49.8526, 41.3382, 63.1098



71.5421, 55.8738, 92.1558



46.5712, 40.0257, 45.8305



12.8785, 12.6029, 15.3002



22.1126, 10.7813, 28.9605



1.3539, 0.6584, 1.8532



# Inverse Universe

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



49.8526, 41.3382, 63.1098



71.5421, 55.8738, 92.1558



46.3367, 58.1237, 58.0686



12.8785, 12.6029, 15.3002



22.1126, 10.7813, 28.9605

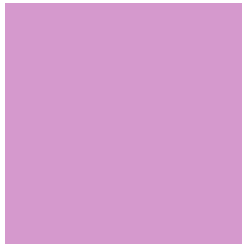


1.3539, 0.6584, 1.8532



# Previews

## White Background



This preview shows how the XYZ color 49.8513, 41.3364, 63.1089 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

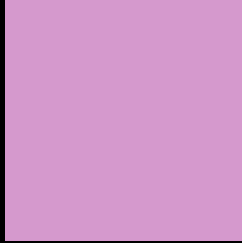
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.8513, 41.3364, 63.1089 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

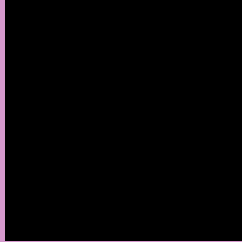
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 49.8513, 41.3364, 63.1089**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.8513, 41.3364, 63.1089.



This preview shows how white text looks on a background with the XYZ color 49.8513, 41.3364,



# 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

49.8513, 41.3364, 63.1089

### Protanopia

41.7852, 41.7126, 71.4947

### Deuteranopia

42.3425, 41.3835, 61.6332



## Tritanopia

46.1390, 41.3301, 44.5754

# Trichromacy



## Original Color

49.8513, 41.3364, 63.1089

## Protanomaly

44.1081, 41.0583, 68.5511

## Deuteranomaly

44.8630, 41.3250, 62.1119

## Tritanomaly

47.2870, 41.2763, 50.8222

# Monochromacy



## Original Color

49.8513, 41.3364, 63.1089

## Achromatopsia

41.7894, 43.9657, 47.8787

## Achromatomaly

44.2075, 42.5403, 52.8948

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.8513, 41.3364, 63.1089 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(213, 153, 205)` looks like.

```
.text, #text, p{  
    color:rgb(213, 153, 205)  
}
```

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(213, 153, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 153, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 49.8513, 41.3364, 63.1089 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(213, 153, 205) }
```



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

```
.border{ border-color:rgb(213, 153, 205) }
```

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

Here you see how a box with a 4 pixel rgb(213, 153, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 153, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 153, 205);  
box-shadow:4px 4px 4px 4px rgb(213, 153,  
205) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.8513, 41.3364, 63.1089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 153, 205) }
```

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

```
.background{ background-color: rgb(213,  
153, 205) }
```

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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