

# Converting Colors

XYZ(50.8955, 43.7003, 63.7761)

Have a look what the booklet for  
XYZ(50.8955, 43.7003, 63.7761)  
contains.

<b>XYZ(50.7416, 43.5464, 63.4885)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(50.7416, 43.5464,  
63.4885)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D4A0CD
RGB	212, 160, 205
RGB Percent	83%, 63%, 80%
CMY	0.1686, 0.3725, 0.1961
CMYK	0.00, 0.25, 0.03, 0.17
HSL	308°, 38%, 73%
HSV	308°, 25%, 83%
XYZ	50.7416, 43.5464, 63.4885
YIQ	180.6780, 16.5470, 25.0190

# Conversions

## Conversions Part 2

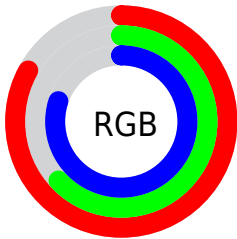
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	212, 160, 205
Decimal	13934797
CIE <sub>Lab</sub>	71.92, 26.63, -15.49
CIE <sub>LCh</sub>	72, 30.808, 329.809
Y <sub>xy</sub>	43.5464, 0.3216, 0.2760
Android (android.graphics.Color)	4292124877 (0xFFD4A0CD)
YUV	180.6780, 11.9907, 27.4694
Hunter-Lab	65.9897, 21.7724, -10.8500

# Details

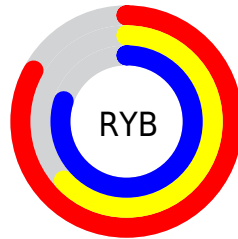
The XYZ color **50.7416, 43.5464, 63.4885** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **45.0175, 57.3519, 45.2590**, and the grayscale version is **43.6794, 45.9541, 50.0440**.

A 20% lighter version of the original color is **83.5904, 77.0809, 105.0801**, and **24.8531, 20.1276, 31.8533** is the 20% darker color. If you saturate the color by 10%, you get **47.0341, 36.6772, 60.5687**, and if you desaturate by 10%, it is **55.0846, 51.6753, 66.6521**.

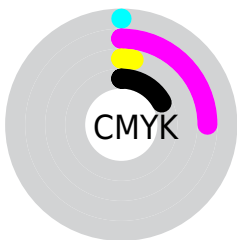
# Distribution



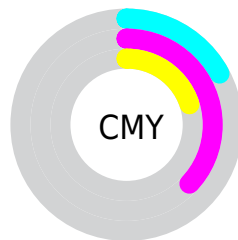
- Red (83%)
- Green (63%)
- Blue (80%)



- Red (83%)
- Yellow (63%)
- Blue (80%)



- Cyan (0%)
- Magenta (25%)
- Yellow (3%)
- Black (17%)




- Cyan (17%)
- Magenta (37%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7416, 43.5464, 63.4885 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 50.7416, 43.5464, 63.4885 by changing the saturation by 10% instead.




 50.7416, 43.5464,  
63.4885


 50.7416, 43.5464,  
63.4885


379.9632,  
360.8540, 455.4968

 36.2232, 30.3141,  
45.7930

 90.4580, 80.5348,  
111.4663

 24.7775, 20.0771,  
31.7350


 116.3867,  
105.0596, 142.5857

 16.0392, 12.4511,  
20.8960


146.8495,  
134.1173, 179.0168

 9.6429, 7.0517,  
12.8575

182.2118,  
168.0924, 221.1782

 5.2233, 3.4944,  
7.2009

222.8390,  
207.3692, 269.4883

 2.4150, 1.3950,  
3.5077

269.0964,

 0.8526, 0.2130,

252.3322, 324.3658

1.3594

321.3494,  
303.3656, 386.2291

■ 0.0000, 0.0000,  
0.1097

■ 0.0000, 0.0000,  
0.0000

■ 50.7416, 43.5464,  
63.4885

■ 50.7416, 43.5464,  
63.4885

■ 47.0341, 36.6772,  
60.5687

■ 55.0846, 51.6753,  
66.6521

■ 43.9265, 30.9983,  
57.8792

■ 60.0889, 61.1172,  
70.0669

■ 41.3854, 26.4425,  
55.4092

■ 65.7833, 71.9293,  
73.7430

■ 39.3726, 22.9335,  
53.1459

■ 72.1940, 84.1638,  
77.6894

37.8454, 20.3857,  
51.0748

75.7337, 90.6460,  
80.7104

36.7539, 18.6996,  
49.1791

76.1134, 90.7979,  
82.7099

36.0377, 17.7544,  
47.4385

76.4996, 90.9524,  
84.7436

35.7469, 17.4353,  
46.5322

76.8923, 91.1095,  
86.8115

77.2916, 91.2692,  
88.9139

# Harmonies

## Analogous

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



46.6128, 43.5464, 77.1810



50.7416, 43.5464, 63.4885



52.3261, 43.5464, 47.5112

# Triad

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



50.7416, 43.5464, 63.4885



41.4232, 43.5464, 23.9836



33.2345, 43.5464, 63.2857

# Complementary

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



50.7416, 43.5464, 63.4885



45.0175, 57.3519, 45.2590

# 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.



32.0940, 43.5464, 47.3182



50.7416, 43.5464, 63.4885



36.5718, 43.5464, 26.4946

# Square

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



50.7416, 43.5464, 63.4885



46.6760, 43.5464, 26.5601



33.2636, 43.5464, 34.3123



36.5182, 43.5464, 77.0476



# Rectangle

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



50.7416, 43.5464, 63.4885



51.6310, 43.5464, 38.2774



33.2636, 43.5464, 34.3123



32.6007, 43.5464, 57.9013

# Sweetspot

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



50.7429, 43.5483, 63.4894



89.2331, 88.9815, 105.0642



40.3786, 38.1055, 67.5151



18.9974, 18.8528, 22.4193



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.



50.7429, 43.5483, 63.4894



74.2622, 60.9234, 94.2669



47.8671, 42.3980, 48.3458



12.8777, 12.6026, 15.2965



22.0952, 10.7744, 28.8692



1.3531, 0.6580, 1.8486



# Inverse Universe

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



50.7429, 43.5483, 63.4894



74.2622, 60.9234, 94.2669



47.6604, 58.4090, 59.1767



12.8777, 12.6026, 15.2965



22.0952, 10.7744, 28.8692

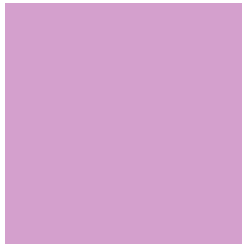


1.3531, 0.6580, 1.8486



# Previews

## White Background



This preview shows how the XYZ color 50.7416, 43.5464, 63.4885 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

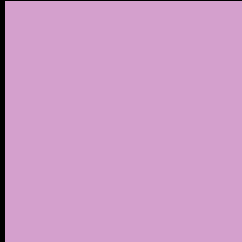
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.7416, 43.5464, 63.4885 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

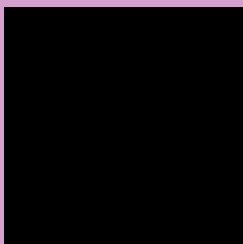
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 50.7416, 43.5464, 63.4885**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.7416, 43.5464, 63.4885.



This preview shows how white text looks on a background with the XYZ color 50.7416, 43.5464,



# 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

50.7416, 43.5464, 63.4885

### Protanopia

43.7442, 43.8911, 70.4562

### Deuteranopia

44.5881, 43.6406, 62.5733



## Tritanopia

47.5034, 43.5345, 48.0188

# Trichromacy



## Original Color

50.7416, 43.5464, 63.4885

## Protanomaly

45.8998, 43.6429, 67.6328

## Deuteranomaly

46.6399, 43.5714, 63.0787

## Tritanomaly

48.4688, 43.3805, 53.3957

# Monochromacy



## Original Color

50.7416, 43.5464, 63.4885

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

45.9761, 44.8113, 54.9414

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.7416, 43.5464, 63.4885 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(212, 160, 205)` looks like.

```
.text, #text, p{  
    color:rgb(212, 160, 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(212, 160, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 160, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 50.7416, 43.5464, 63.4885 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(212, 160, 205) }
```



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

```
.border{ border-color:rgb(212, 160, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 160, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 160, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 160, 205);  
box-shadow:4px 4px 4px 4px rgb(212, 160,  
205) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.7416, 43.5464, 63.4885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 160, 205) }
```

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

```
.background{ background-color: rgb(212,  
160, 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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