

# Converting Colors

XYZ(52.4970, 44.5444, 62.3303)

Have a look what the booklet for  
XYZ(52.4970, 44.5444, 62.3303)  
contains.

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# Color

**XYZ(52.5637, 44.5135,  
62.3215)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBA0CB
RGB	219, 160, 203
RGB Percent	86%, 63%, 80%
CMY	0.1412, 0.3725, 0.2039
CMYK	0.00, 0.27, 0.07, 0.14
HSL	316°, 45%, 74%
HSV	316°, 27%, 86%
XYZ	52.5637, 44.5135, 62.3215
YIQ	182.5430, 21.3610, 25.8810

# Conversions

## Conversions Part 2

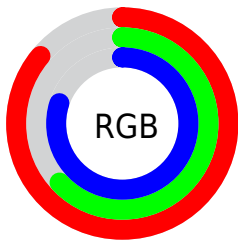
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	219, 160, 203
Decimal	14393547
CIE <sub>Lab</sub>	72.57, 28.64, -13.35
CIE <sub>LCh</sub>	73, 31.600, 335.012
Yxy	44.5135, 0.3298, 0.2793
Android (android.graphics.Color)	4292583627 (0xFFDBA0CB)
<b>YUV</b>	182.5430, 10.0853, 31.9728
Hunter-Lab	66.7184, 23.8728, -8.6797

# Details

The XYZ color **52.5637, 44.5135, 62.3215** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.6670, 61.2724, 50.3914**, and the grayscale version is **44.6992, 47.0270, 51.2124**.

A 20% lighter version of the original color is **83.5904, 77.0809, 105.0801**, and **25.8916, 20.6816, 31.0611** is the 20% darker color. If you saturate the color by 10%, you get **48.4024, 37.3014, 57.5092**, and if you desaturate by 10%, it is **57.4235, 53.0778, 67.5015**.

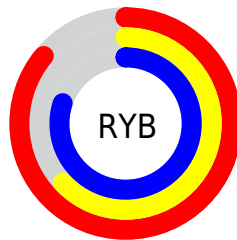
# Distribution



Red (86%)

Green (63%)

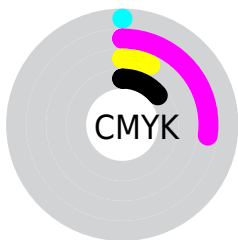
Blue (80%)



Red (86%)

Yellow (63%)

Blue (80%)

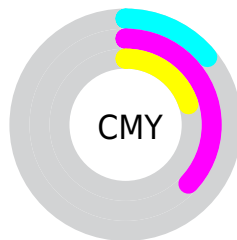


Cyan (0%)

Magenta (27%)

Yellow (7%)

Black (14%)



Cyan (14%)

Magenta (37%)

Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.5637, 44.5135, 62.3215 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 52.5637, 44.5135, 62.3215 by changing the saturation by 10% instead.





 52.5637, 44.5135,  
62.3215

 52.5637, 44.5135,  
62.3215

386.8973,  
364.7996, 451.1428

 37.6807, 31.0744,  
44.8551

 93.1314, 81.9899,  
109.7662

 25.9110, 20.6555,  
31.0012


 119.5467,  
106.7960, 140.5814

 16.8894, 12.8724,  
20.3413


150.5369,  
136.1598, 176.6834

 10.2505, 7.3408,  
12.4568

186.4672,  
170.4658, 218.4907

 5.6289, 3.6761,  
6.9293

227.7030,  
210.0984, 266.4217

 2.6593, 1.4941,  
3.3401

274.6098,

 0.9763, 0.2846,

255.4420, 320.8950

1.2708

327.5527,  
306.8809, 382.3292

■ 0.0000, 0.0000,  
0.0377

■ 0.0000, 0.0000,  
0.0000

■ 52.5637, 44.5135,  
62.3215

■ 52.5637, 44.5135,  
62.3215

■ 48.4024, 37.3014,  
57.5092

■ 57.4235, 53.0778,  
67.5015

■ 44.9002, 31.3653,  
53.0484

■ 63.0107, 63.0536,  
73.0586

■ 42.0199, 26.6305,  
48.9257

■ 69.3571, 74.5037,  
79.0056

■ 39.7187, 23.0120,  
45.1254

■ 76.4918, 87.4855,  
85.3534

37.9483, 20.4137,  
41.6297

79.6386, 92.4462,  
90.5113

36.6523, 18.7232,  
38.4183

80.5002, 92.7908,  
95.0484

35.7571, 17.7940,  
35.4651

81.3906, 93.1470,  
99.7373

35.5245, 17.5845,  
34.5995

82.3101, 93.5148,  
104.5795

83.0237, 93.8002,  
108.3372

# Harmonies

## Analogous

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



48.6273, 44.5135, 77.5239



52.5637, 44.5135, 62.3215



53.6614, 44.5135, 45.8863

# Triad

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



52.5637, 44.5135, 62.3215



41.3976, 44.5135, 24.2483



34.2741, 44.5135, 67.8615

# Complementary

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



52.5637, 44.5135, 62.3215



47.6670, 61.2724, 50.3914

# 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.



32.6821, 44.5135, 51.1440



52.5637, 44.5135, 62.3215



36.5627, 44.5135, 27.7648

# Square

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



52.5637, 44.5135, 62.3215



46.9038, 44.5135, 25.9909



33.4827, 44.5135, 36.8359



38.0240, 44.5135, 81.1748



# Rectangle

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



52.5637, 44.5135, 62.3215



52.5616, 44.5135, 36.8266



33.4827, 44.5135, 36.8359



33.4842, 44.5135, 62.3347

# Sweetspot

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



52.5650, 44.5155, 62.3224



88.0058, 87.3166, 102.2206



43.2032, 39.4575, 72.3575



18.5701, 18.2113, 21.6192



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.



52.5650, 44.5155, 62.3224



70.9498, 57.1765, 84.2900



49.4031, 43.2507, 45.6718



13.4558, 13.2114, 15.6616



21.1122, 10.4459, 20.7687



1.4031, 0.6909, 1.5316



# Inverse Universe

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



52.5650, 44.5155, 62.3224



70.9498, 57.1765, 84.2900



50.8779, 62.5568, 67.2998



13.4558, 13.2114, 15.6616



21.1122, 10.4459, 20.7687

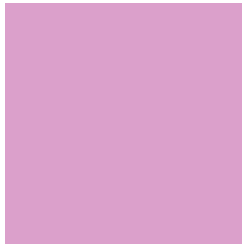


1.4031, 0.6909, 1.5316



# Previews

## White Background



This preview shows how the XYZ color 52.5637, 44.5135, 62.3215 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

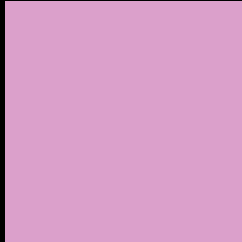
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.5637, 44.5135, 62.3215 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

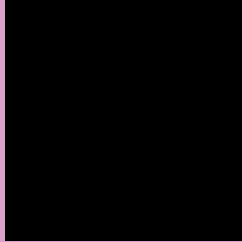
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.5637, 44.5135, 62.3215**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.5637, 44.5135, 62.3215.



This preview shows how white text looks on a background with the XYZ color 52.5637, 44.5135,



# 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

52.5637, 44.5135, 62.3215

### Protanopia

44.4373, 44.8454, 69.9323

### Deuteranopia

45.5690, 44.7565, 60.8807



## Tritanopia

49.7098, 44.6835, 47.5998

# Trichromacy



## Original Color

52.5637, 44.5135, 62.3215

## Protanomaly

46.9348, 44.4703, 67.0827

## Deuteranomaly

47.7565, 44.4633, 61.3236

## Tritanomaly

50.5754, 44.4913, 52.3764

# Monochromacy



## Original Color

52.5637, 44.5135, 62.3215

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

47.3892, 46.1134, 55.1183

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.5637, 44.5135, 62.3215 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(219, 160, 203)` looks like.

```
.text, #text, p{  
    color:rgb(219, 160, 203)  
}
```

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(219, 160, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 160, 203) }
```

## Border

The CSS property to change the border of an element to XYZ 52.5637, 44.5135, 62.3215 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(219, 160, 203) }
```



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

```
.border{ border-color:rgb(219, 160, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 160, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 160, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 160, 203);  
box-shadow:4px 4px 4px 4px rgb(219, 160,  
203) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.5637, 44.5135, 62.3215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 160, 203) }
```

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

```
.background{ background-color: rgb(219,  
160, 203) }
```

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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