

# Converting Colors

XYZ(52.3804, 44.1599, 63.8573)

Have a look what the booklet for  
XYZ(52.3804, 44.1599, 63.8573)  
contains.

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# Color

**XYZ(52.4522, 44.1579,  
64.1513)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DA9FCE
RGB	218, 159, 206
RGB Percent	85%, 62%, 81%
CMY	0.1451, 0.3765, 0.1922
CMYK	0.00, 0.27, 0.06, 0.15
HSL	312°, 44%, 74%
HSV	312°, 27%, 85%
XYZ	52.4522, 44.1579, 64.1513
YIQ	181.9990, 20.0770, 27.1250

# Conversions

## Conversions Part 2

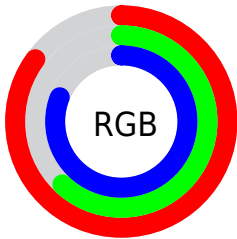
Format	Color
R <sub>YB</sub>	218, 159, 206
Decimal	14327758
CIE Lab	72.33, 29.37, -15.37
CIE LCh	72, 33.148, 332.383
Yxy	44.1579, 0.3263, 0.2747
Android (android.graphics.Color)	4292517838 (0xFFDA9FCE)
YUV	181.9990, 11.8325, 31.5729
Hunter-Lab	66.4514, 24.6057, -10.7218

# Details

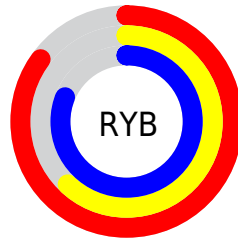
The XYZ color **52.4522, 44.1579, 64.1513** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **46.7220, 60.4555, 47.7373**, and the grayscale version is **44.3940, 46.7059, 50.8627**.

A 20% lighter version of the original color is **83.3366, 76.5731, 104.9955**, and **25.8255, 20.4638, 32.2945** is the 20% darker color. If you saturate the color by 10%, you get **48.4981, 37.0990, 60.2131**, and if you desaturate by 10%, it is **57.0853, 52.5490, 68.3918**.

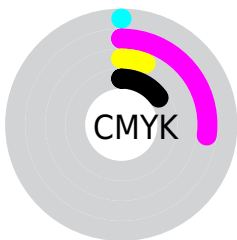
# Distribution



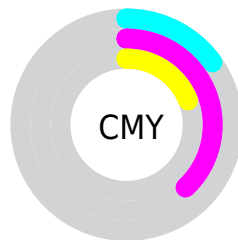
- Red (85%)
- Green (62%)
- Blue (81%)



- Red (85%)
- Yellow (62%)
- Blue (81%)



- Cyan (0%)
- Magenta (27%)
- Yellow (6%)
- Black (15%)




- Cyan (15%)
- Magenta (38%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.4522, 44.1579, 64.1513 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 52.4522, 44.1579, 64.1513 by changing the saturation by 10% instead.





 52.4522, 44.1579,  
64.1513


 52.4522, 44.1579,  
64.1513


386.4752,  
363.3522, 457.9583

 37.5914, 30.7947,  
46.3263

 92.9681, 81.4553,  
112.4304

 25.8415, 20.4425,  
32.1528


 119.3538,  
106.1582, 143.7215

 16.8371, 12.7171,  
21.2125


150.3119,  
135.4099, 180.3384

 10.2130, 7.2341,  
13.0867

186.2078,  
169.5946, 222.6996

 5.6038, 3.6089,  
7.3568

227.4066,  
209.0968, 271.2236

 2.6440, 1.4573,  
3.6044

274.2739,

 0.9684, 0.2584,

254.3009, 326.3290

1.4109

327.1750,  
305.5912, 388.4344

■ 0.0000, 0.0000,  
0.1502

■ 0.0000, 0.0000,  
0.0000

■ 52.4522, 44.1579,  
64.1513

■ 52.4522, 44.1579,  
64.1513

■ 48.4981, 37.0990,  
60.2131

■ 57.0853, 52.5490,  
68.3918

■ 45.1840, 31.2969,  
56.5622

■ 62.4257, 62.3308,  
72.9431

■ 42.4734, 26.6777,  
53.1863

■ 68.5048, 73.5656,  
77.8169

■ 40.3241, 23.1573,  
50.0705

■ 75.3512, 86.3099,  
83.0232

38.6885, 20.6407,  
47.1985

78.7015, 92.0367,  
87.1415

37.5107, 19.0165,  
44.5510

79.3258, 92.2864,  
90.4290

36.7174, 18.1383,  
42.1029

79.9660, 92.5425,  
93.8004

36.5205, 17.9483,  
41.4092

80.6223, 92.8050,  
97.2562

81.2946, 93.0740,  
100.7969

# Harmonies

## Analogous

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



48.1196, 44.1579, 79.7639



52.4522, 44.1579, 64.1513



53.9035, 44.1579, 46.7871

# Triad

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



52.4522, 44.1579, 64.1513



41.5167, 44.1579, 23.0402



33.3775, 44.1579, 66.9302

# Complementary

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



52.4522, 44.1579, 64.1513



46.7220, 60.4555, 47.7373

# 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.



31.9434, 44.1579, 49.3974



52.4522, 44.1579, 64.1513



36.3694, 44.1579, 26.1429

# Square

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



52.4522, 44.1579, 64.1513



47.2601, 44.1579, 25.2831



32.9878, 44.1579, 34.9463



37.0915, 44.1579, 81.6069



# Rectangle

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



52.4522, 44.1579, 64.1513



52.9446, 44.1579, 37.0893



32.9878, 44.1579, 34.9463



32.6288, 44.1579, 61.0531

# Sweetspot

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



52.4535, 44.1599, 64.1522



88.2229, 87.4035, 103.3639



41.8060, 38.4959, 71.5577



18.6250, 18.2333, 21.9085



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.



52.4535, 44.1599, 64.1522



71.7521, 57.4975, 88.5151



49.2192, 42.8661, 47.1202



13.4950, 13.2271, 15.8678



21.9189, 10.7686, 25.0169



1.4493, 0.7094, 1.7751



# Inverse Universe

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



52.4535, 44.1599, 64.1522



71.7521, 57.4975, 88.5151



49.8315, 61.6993, 64.1118



13.4950, 13.2271, 15.8678



21.9189, 10.7686, 25.0169



1.4493, 0.7094, 1.7751



# Previews

## White Background



This preview shows how the XYZ color 52.4522, 44.1579, 64.1513 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

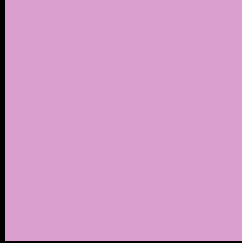
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.4522, 44.1579, 64.1513 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

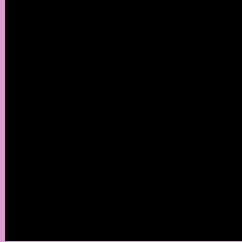
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.4522, 44.1579, 64.1513**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.4522, 44.1579, 64.1513.



This preview shows how white text looks on a background with the XYZ color 52.4522, 44.1579,



# 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

52.4522, 44.1579, 64.1513

### Protanopia

44.1982, 44.3853, 71.8834

### Deuteranopia

45.2515, 44.2662, 62.6591



## Tritanopia

48.9428, 44.0214, 47.5124

# Trichromacy



## Original Color

52.4522, 44.1579, 64.1513



## Protanomaly

46.6347, 43.9927, 68.9843



## Deuteranomaly

47.6667, 44.1007, 63.1267



## Tritanomaly

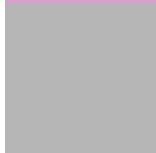
50.0218, 43.9186, 53.4177

# Monochromacy



## Original Color

52.4522, 44.1579, 64.1513



## Achromatopsia

44.4628, 46.7784, 50.9417



## Achromatomaly

47.0457, 45.6358, 55.6192

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.4522, 44.1579, 64.1513 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(218, 159, 206)` looks like.

```
.text, #text, p{  
    color:rgb(218, 159, 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(218, 159, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 159, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 52.4522, 44.1579, 64.1513 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(218, 159, 206) }
```



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

```
.border{ border-color:rgb(218, 159, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 159, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 159, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 159, 206);  
box-shadow:4px 4px 4px 4px rgb(218, 159,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.4522, 44.1579, 64.1513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 159, 206) }
```

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

```
.background{ background-color: rgb(218,  
159, 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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