

# Converting Colors

XYZ(54.5421, 45.3305, 68.4547)

Have a look what the booklet for  
XYZ(54.5421, 45.3305, 68.4547)  
contains.

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# Color

**XYZ(54.5787, 45.4247,  
68.1786)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DEA0D4
RGB	222, 160, 212
RGB Percent	87%, 63%, 83%
CMY	0.1294, 0.3725, 0.1686
CMYK	0.00, 0.28, 0.05, 0.13
HSL	310°, 48%, 75%
HSV	310°, 28%, 87%
XYZ	54.5787, 45.4247, 68.1786
YIQ	184.4660, 20.2600, 29.3160

# Conversions

## Conversions Part 2

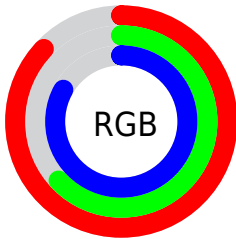
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	222, 160, 212
Decimal	14590164
CIE <sub>Lab</sub>	73.17, 31.23, -17.36
CIE <sub>LCh</sub>	73, 35.734, 330.933
Y <sub>xy</sub>	45.4247, 0.3245, 0.2701
Android (android.graphics.Color)	4292780244 (0xFFDEA0D4)
YUV	184.4660, 13.5743, 32.9173
Hunter-Lab	67.3978, 26.6029, -12.7983

# Details

The XYZ color **54.5787, 45.4247, 68.1786** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.8761, 62.6198, 47.5964**, and the grayscale version is **45.7382, 48.1202, 52.4029**.

A 20% lighter version of the original color is **83.5904, 77.0809, 105.0801**, and **27.1743, 21.2664, 34.5709** is the 20% darker color. If you saturate the color by 10%, you get **50.6221, 38.2256, 64.6560**, and if you desaturate by 10%, it is **59.2353, 54.0061, 71.9850**.

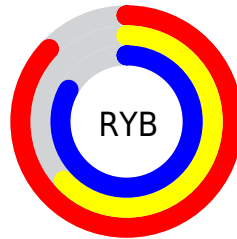
# Distribution



Red (87%)

Green (63%)

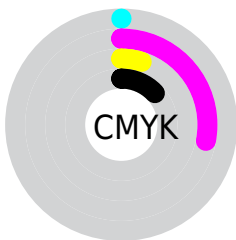
Blue (83%)



Red (87%)

Yellow (63%)

Blue (83%)

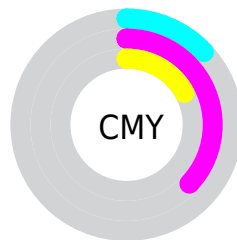


Cyan (0%)

Magenta (28%)

Yellow (5%)

Black (13%)



Cyan (13%)

Magenta (37%)

Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.5787, 45.4247, 68.1786 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 54.5787, 45.4247, 68.1786 by changing the saturation by 10% instead.





 54.5787, 45.4247,  
68.1786


 54.5787, 45.4247,  
68.1786


394.4754,  
368.4909, 472.7438

 39.2970, 31.7921,  
49.5755


 96.0753, 83.3574,  
118.2642

 27.1726, 21.2027,  
34.7074


 123.0210,  
108.4262, 150.5838

 17.8402, 13.2723,  
23.1558


154.5854,  
138.0759, 188.3126

 10.9343, 7.6163,  
14.5022

191.1338,  
172.6908, 231.8691

 6.0896, 3.8504,  
8.3281

233.0317,  
212.6554, 281.6720

 2.9408, 1.5902,  
4.2148

280.6443,

 1.1226, 0.3510,

258.3540, 338.1397

1.7439

334.3371,  
310.1710, 401.6908

■ 0.0439, 0.0000,  
0.3906

■ 0.0000, 0.0000,  
0.0000

■ 54.5787, 45.4247,  
68.1786

■ 54.5787, 45.4247,  
68.1786

■ 50.6221, 38.2256,  
64.6560

■ 59.2353, 54.0061,  
71.9850

■ 47.3246, 32.3297,  
61.4017

■ 64.6216, 64.0316,  
76.0838

■ 44.6476, 27.6589,  
58.4031

■ 70.7707, 75.5663,  
80.4870

■ 42.5467, 24.1247,  
55.6450

■ 77.7124, 88.6699,  
85.2047

40.9715, 21.6262,  
53.1103

80.1543, 92.7577,  
88.4731

39.8627, 20.0450,  
50.7789

80.6623, 92.9609,  
91.1479

39.1371, 19.2148,  
48.6227

81.1806, 93.1682,  
93.8774

39.0079, 19.0831,  
48.1885

81.7094, 93.3797,  
96.6620

82.2487, 93.5954,  
99.5019

# Harmonies

## Analogous

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



49.6653, 45.4247, 85.3324



54.5787, 45.4247, 68.1786



56.3693, 45.4247, 48.9006

# Triad

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



54.5787, 45.4247, 68.1786



42.9791, 45.4247, 22.3696



33.6473, 45.4247, 69.3898

# Complementary

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



54.5787, 45.4247, 68.1786



47.8761, 62.6198, 47.5964

# 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.



32.2189, 45.4247, 50.0232



54.5787, 45.4247, 68.1786



37.2759, 45.4247, 25.3831

# Square

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



54.5787, 45.4247, 68.1786



49.2936, 45.4247, 25.0250



33.4816, 45.4247, 34.5251



37.5846, 45.4247, 86.1423



# Rectangle

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



54.5787, 45.4247, 68.1786



55.4271, 45.4247, 38.1332



33.4816, 45.4247, 34.5251



32.8758, 45.4247, 62.8326

# Sweetspot

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



54.5801, 45.4267, 68.1796



88.3586, 87.4577, 104.0782



42.1843, 38.8861, 74.3906



18.6594, 18.2471, 22.0894



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.



54.5801, 45.4267, 68.1796



71.1775, 55.7279, 90.2358



51.1092, 44.0384, 49.9022



14.1951, 13.8957, 16.7974



23.2044, 11.3488, 28.8057



1.6341, 0.7969, 2.1323



# Inverse Universe

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



54.5801, 45.4267, 68.1796



71.1775, 55.7279, 90.2358



51.0806, 63.9017, 64.4712



14.1951, 13.8957, 16.7974



23.2044, 11.3488, 28.8057

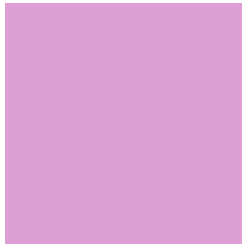


1.6341, 0.7969, 2.1323



# Previews

## White Background



This preview shows how the XYZ color 54.5787, 45.4247, 68.1786 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

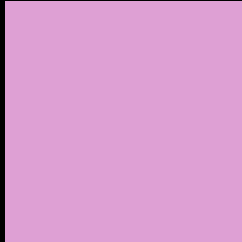
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.5787, 45.4247, 68.1786 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

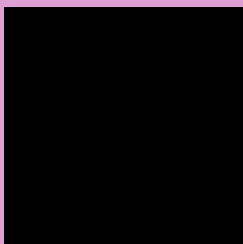
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 54.5787, 45.4247, 68.1786**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.5787, 45.4247, 68.1786.



This preview shows how white text looks on a background with the XYZ color 54.5787, 45.4247,



# 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

54.5787, 45.4247, 68.1786

### Protanopia

45.7371, 45.6576, 76.9232

### Deuteranopia

46.5624, 45.7214, 66.6926



## Tritanopia

50.6863, 45.4325, 48.7457

# Trichromacy



## Original Color

54.5787, 45.4247, 68.1786

## Protanomaly

48.2202, 44.9845, 73.8515

## Deuteranomaly

49.0335, 45.2729, 67.1270

## Tritanomaly

51.8928, 45.3726, 55.3129

# Monochromacy



## Original Color

54.5787, 45.4247, 68.1786

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

48.3563, 46.5608, 57.4774

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.5787, 45.4247, 68.1786 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(222, 160, 212)` looks like.

```
.text, #text, p{  
    color:rgb(222, 160, 212)  
}
```

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(222, 160, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 160, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 54.5787, 45.4247, 68.1786 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(222, 160, 212) }
```



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

```
.border{ border-color:rgb(222, 160, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 160, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 160, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 160, 212);  
box-shadow:4px 4px 4px 4px rgb(222, 160,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.5787, 45.4247, 68.1786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 160, 212) }
```

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

```
.background{ background-color: rgb(222,  
160, 212) }
```

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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