

# Converting Colors

XYZ(54.4770, 45.0028, 68.7405)

Have a look what the booklet for  
XYZ(54.4770, 45.0028, 68.7405)  
contains.

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# Color

**XYZ(54.5326, 45.1300,  
68.7876)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DE9FD5
RGB	222, 159, 213
RGB Percent	87%, 62%, 84%
CMY	0.1294, 0.3765, 0.1647
CMYK	0.00, 0.28, 0.04, 0.13
HSL	309°, 49%, 75%
HSV	309°, 28%, 87%
XYZ	54.5326, 45.1300, 68.7876
YIQ	183.9930, 20.2140, 30.1500

# Conversions

## Conversions Part 2

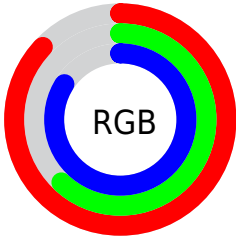
Format	Color
<a href="#">RYB</a>	<a href="#">222, 159, 213</a>
Decimal	<a href="#">14589909</a>
CIELab	<a href="#">72.98, 31.95, -18.20</a>
CIElCh	<a href="#">73, 36.771, 330.329</a>
Yxy	<a href="#">45.1300, 0.3237, 0.2679</a>
Android (android.graphics.Color)	<a href="#">4292779989 (0xFFDE9FD5)</a>
YUV	<a href="#">183.9930, 14.3005, 33.3321</a>
Hunter-Lab	<a href="#">67.1789, 27.3348, -13.6846</a>

# Details

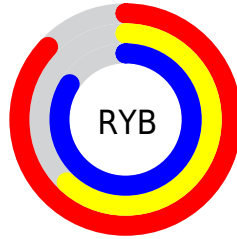
The XYZ color **54.5326, 45.1300, 68.7876** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.4891, 62.4420, 46.5980**, and the grayscale version is **45.4730, 47.8412, 52.0991**.

A 20% lighter version of the original color is **83.3366, 76.5731, 104.9955**, and **27.1551, 21.0910, 34.9875** is the 20% darker color. If you saturate the color by 10%, you get **50.6542, 38.0104, 65.5283**, and if you desaturate by 10%, it is **59.1073, 53.6279, 72.3188**.

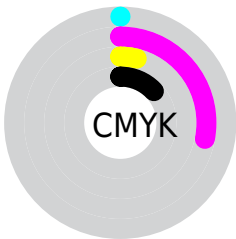
# Distribution



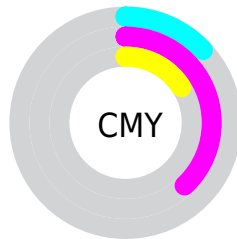
- Red (87%)
- Green (62%)
- Blue (84%)



- Red (87%)
- Yellow (62%)
- Blue (84%)



- Cyan (0%)
- Magenta (28%)
- Yellow (4%)
- Black (13%)




- Cyan (13%)
- Magenta (38%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.5326, 45.1300, 68.7876 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 54.5326, 45.1300, 68.7876 by changing the saturation by 10% instead.





 54.5326, 45.1300,  
68.7876


 54.5326, 45.1300,  
68.7876


394.3030,  
367.2998, 474.9551

 39.2600, 31.5598,  
50.0681


 96.0081, 82.9155,  
119.1430

 27.1437, 21.0255,  
35.0959


 122.9418,  
107.8995, 151.6159

 17.8183, 13.1427,  
23.4526


154.4931,  
137.4570, 189.5104

 10.9185, 7.5269,  
14.7196

191.0275,  
171.9724, 233.2450

 6.0790, 3.7937,  
8.4784

232.9104,  
211.8299, 283.2383

 2.9343, 1.5589,  
4.3105

280.5070,

 1.1191, 0.3296,

257.4141, 339.9087

1.7972

334.1828,  
309.1092, 403.6748

■ 0.0410, 0.0000,  
0.4261

■ 0.0000, 0.0000,  
0.0000

■ 54.5326, 45.1300,  
68.7876

■ 54.5326, 45.1300,  
68.7876

■ 50.6542, 38.0104,  
65.5283

■ 59.1073, 53.6279,  
72.3188

■ 47.4310, 32.1896,  
62.5255

■ 64.4080, 63.5661,  
76.1307

■ 44.8244, 27.5894,  
59.7667

■ 70.4679, 75.0099,  
80.2348

■ 42.7897, 24.1206,  
57.2367

■ 77.3170, 88.0190,  
84.6415

41.2761, 21.6818,  
54.9184

80.0079, 92.6991,  
87.7019

40.2240, 20.1537,  
52.7916

80.4545, 92.8778,  
90.0541

39.5456, 19.3608,  
50.8270

80.9094, 93.0597,  
92.4492

39.4499, 19.2599,  
50.5164

81.3724, 93.2449,  
94.8873

81.8436, 93.4334,  
97.3686

# Harmonies

## Analogous

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



49.4313, 45.1300, 86.3824



54.5326, 45.1300, 68.7876



56.4529, 45.1300, 48.9363

# Triad

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



54.5326, 45.1300, 68.7876



42.8239, 45.1300, 21.5975



33.1024, 45.1300, 69.2282

# Complementary

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



54.5326, 45.1300, 68.7876



47.4891, 62.4420, 46.5980

# 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.



31.7022, 45.1300, 49.3420



54.5326, 45.1300, 68.7876



36.9613, 45.1300, 24.5149

# Square

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



54.5326, 45.1300, 68.7876



49.2966, 45.1300, 24.3876



33.0429, 45.1300, 33.6409



37.0725, 45.1300, 86.6782



# Rectangle

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



54.5326, 45.1300, 68.7876



55.5353, 45.1300, 37.8572



33.0429, 45.1300, 33.6409



32.3344, 45.1300, 62.4650

# Sweetspot

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



54.5340, 45.1320, 68.7886



87.6372, 86.0120, 103.8469



41.6060, 38.3317, 74.3140



18.5188, 17.9604, 22.0593



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.



54.5340, 45.1320, 68.7886



71.4174, 55.8239, 91.4990



50.9778, 43.7095, 50.0622



14.2064, 13.9002, 16.8571



23.4638, 11.4525, 30.1721



1.6498, 0.8032, 2.2145



# Inverse Universe

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



54.5340, 45.1320, 68.7886



71.4174, 55.8239, 91.4990



50.7182, 63.7337, 63.6023



14.2064, 13.9002, 16.8571



23.4638, 11.4525, 30.1721

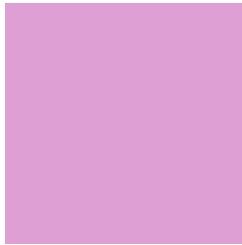


1.6498, 0.8032, 2.2145



# Previews

## White Background



This preview shows how the XYZ color 54.5326, 45.1300, 68.7876 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

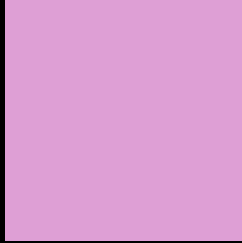
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.5326, 45.1300, 68.7876 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

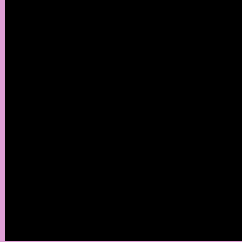
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 54.5326, 45.1300, 68.7876**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.5326, 45.1300, 68.7876.



This preview shows how white text looks on a background with the XYZ color 54.5326, 45.1300,



# 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

54.5326, 45.1300, 68.7876

### Protanopia

45.7963, 45.6566, 78.3504

### Deuteranopia

46.2542, 45.2582, 67.2706



## Tritanopia

50.1063, 44.8763, 48.1406

# Trichromacy



## Original Color

54.5326, 45.1300, 68.7876



## Protanomaly

48.3531, 45.0376, 74.5513



## Deuteranomaly

48.9718, 44.9494, 67.7230



## Tritanomaly

51.7146, 45.0160, 55.2535

# Monochromacy



## Original Color

54.5326, 45.1300, 68.7876



## Achromatopsia

45.5594, 47.9320, 52.1980



## Achromatomaly

48.4690, 46.6058, 58.0710

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.5326, 45.1300, 68.7876 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, 159, 213)` looks like.

```
.text, #text, p{  
    color:rgb(222, 159, 213)  
}
```

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, 159, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 159, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 54.5326, 45.1300, 68.7876 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, 159, 213) }
```



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

```
.border{ border-color:rgb(222, 159, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 159, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 159, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 159, 213);  
box-shadow:4px 4px 4px 4px rgb(222, 159,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.5326, 45.1300, 68.7876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 159, 213) }
```

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

```
.background{ background-color: rgb(222,  
159, 213) }
```

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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