

# Converting Colors

XYZ(56.1153, 45.3244, 74.8739)

Have a look what the booklet for  
XYZ(56.1153, 45.3244, 74.8739)  
contains.

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# Color

**XYZ(55.9823, 45.2352,  
74.8879)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E09DDE
RGB	224, 157, 222
RGB Percent	88%, 62%, 87%
CMY	0.1216, 0.3843, 0.1294
CMYK	0.00, 0.30, 0.01, 0.12
HSL	302°, 52%, 75%
HSV	302°, 30%, 88%
XYZ	55.9823, 45.2352, 74.8879
YIQ	184.4430, 19.0670, 34.4190

# Conversions

## Conversions Part 2

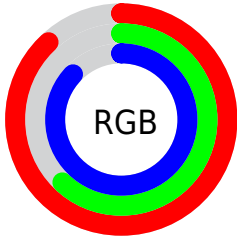
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	224, 157, 222
Decimal	14720478
CIE Lab	73.05, 35.30, -23.01
CIE LCh	73, 42.140, 326.899
Yxy	45.2352, 0.3179, 0.2569
Android (android.graphics.Color)	4292910558 (0xFFE09DDE)
YUV	184.4430, 18.5156, 34.6915
Hunter-Lab	67.2571, 30.8767, -18.9369

# Details

The XYZ color **55.9823, 45.2352, 74.8879** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **46.8202, 62.9842, 42.4930**, and the grayscale version is **45.6995, 48.0795, 52.3585**.

A 20% lighter version of the original color is **82.8335, 75.5670, 104.8278**, and **28.1751, 21.2180, 39.1697** is the 20% darker color. If you saturate the color by 10%, you get **52.4453, 38.3036, 73.2679**, and if you desaturate by 10%, it is **60.2172, 53.5604, 76.7433**.

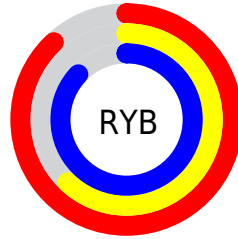
# Distribution



Red (88%)

Green (62%)

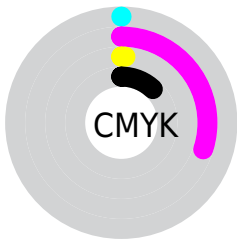
Blue (87%)



Red (88%)

Yellow (62%)

Blue (87%)

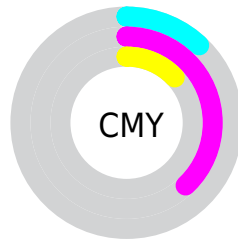


Cyan (0%)

Magenta (30%)

Yellow (1%)

Black (12%)



Cyan (12%)

Magenta (38%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.9823, 45.2352, 74.8879 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 55.9823, 45.2352, 74.8879 by changing the saturation by 10% instead.





 55.9823, 45.2352,  
74.8879


 55.9823, 45.2352,  
74.8879


399.7009,  
367.7253, 496.7773

 40.4257, 31.6427,  
55.0199


 98.1187, 83.0732,  
127.8993

 28.0563, 21.0888,  
39.0189


 125.4291,  
108.0876, 161.8798

 18.5088, 13.1889,  
26.4665

157.3882,  
137.6780, 201.4015

 11.4178, 7.5587,  
16.9441

194.3613,  
172.2290, 246.8829

 6.4179, 3.8139,  
10.0331

236.7138,  
212.1247, 298.7427

 3.1439, 1.5700,  
5.3150

284.8110,

 1.2303, 0.3373,

257.7498, 357.3993

2.3713

339.0182,  
309.4885, 423.2714

■ 0.1301, 0.0000,  
0.7708

■ 0.0000, 0.0000,  
0.0000

■ 55.9823, 45.2352,  
74.8879

■ 55.9823, 45.2352,  
74.8879

■ 52.4453, 38.3036,  
73.2679

■ 60.2172, 53.5604,  
76.7433

■ 49.5640, 32.6836,  
71.8678

■ 65.1809, 63.3434,  
78.8428

■ 47.2982, 28.2940,  
70.6745

■ 70.9075, 74.6517,  
81.1984

■ 45.6013, 25.0417,  
69.6726

■ 77.4278, 87.5468,  
83.8204

44.4205, 22.8210,  
68.8445

80.1387, 92.8227,  
85.1743

43.6928, 21.5060,  
68.1692

80.2304, 92.8593,  
85.6569

43.3090, 20.8783,  
67.6103

80.3224, 92.8961,  
86.1414

43.3060, 20.8736,  
67.6054

80.4148, 92.9331,  
86.6277

80.5075, 92.9702,  
87.1160

# Harmonies

## Analogous

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



49.7251, 45.2352, 94.9979



55.9823, 45.2352, 74.8879



58.7421, 45.2352, 51.4800

# Triad

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



55.9823, 45.2352, 74.8879



43.7653, 45.2352, 18.8413



31.5618, 45.2352, 69.9752

# Complementary

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



55.9823, 45.2352, 74.8879



46.8202, 62.9842, 42.4930

# 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.



30.3477, 45.2352, 47.0921



55.9823, 45.2352, 74.8879



36.9008, 45.2352, 21.2157

# Square

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



55.9823, 45.2352, 74.8879



51.2013, 45.2352, 22.4917



32.1893, 45.2352, 30.2589



35.7155, 45.2352, 91.6391



# Rectangle

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



55.9823, 45.2352, 74.8879



58.0177, 45.2352, 38.3796



32.1893, 45.2352, 30.2589



30.8185, 45.2352, 62.0086

# Sweetspot

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



55.9837, 45.2372, 74.8889



88.0505, 86.1773, 106.0235



39.6371, 36.7790, 75.5321



18.6214, 18.0015, 22.5996



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.



55.9837, 45.2372, 74.8889



71.9845, 54.5702, 99.0496



52.0261, 43.6542, 54.0485



14.2764, 13.9282, 17.2258



25.2149, 12.1530, 39.3930



1.7534, 0.8446, 2.7603



# Inverse Universe

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



55.9837, 45.2372, 74.8889



71.9845, 54.5702, 99.0496



50.0341, 64.2697, 59.4169



14.2764, 13.9282, 17.2258



25.2149, 12.1530, 39.3930



1.7534, 0.8446, 2.7603



# Previews

## White Background



This preview shows how the XYZ color 55.9823, 45.2352, 74.8879 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

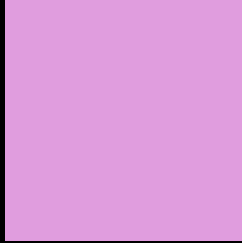
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.9823, 45.2352, 74.8879 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 55.9823, 45.2352, 74.8879**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.9823, 45.2352, 74.8879.



This preview shows how white text looks on a background with the XYZ color 55.9823, 45.2352,



# 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

55.9823, 45.2352, 74.8879

### Protanopia

46.3107, 45.7417, 86.5090

### Deuteranopia

46.5403, 45.5776, 72.6741



## Tritanopia

50.4045, 45.0300, 48.1545

# Trichromacy



## Original Color

55.9823, 45.2352, 74.8879



## Protanomaly

48.9478, 44.8899, 82.4287



## Deuteranomaly

49.4798, 45.0925, 73.1137



## Tritanomaly

52.1731, 44.9513, 56.9656

# Monochromacy



## Original Color

55.9823, 45.2352, 74.8879



## Achromatopsia

45.5594, 47.9320, 52.1980



## Achromatomaly

48.8823, 46.4914, 59.8235

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.9823, 45.2352, 74.8879 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(224, 157, 222)` looks like.

```
.text, #text, p{  
    color:rgb(224, 157, 222)  
}
```

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(224, 157, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 157, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 55.9823, 45.2352, 74.8879 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(224, 157, 222) }
```



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

```
.border{ border-color:rgb(224, 157, 222) }
```

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

Here you see how a box with a 4 pixel rgb(224, 157, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 157, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 157, 222);  
box-shadow:4px 4px 4px 4px rgb(224, 157,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.9823, 45.2352, 74.8879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 157, 222) }
```

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

```
.background{ background-color: rgb(224,  
157, 222) }
```

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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