

# Converting Colors

XYZ(55.2956, 45.8328, 72.8145)

Have a look what the booklet for  
XYZ(55.2956, 45.8328, 72.8145)  
contains.

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# Color

**XYZ(55.3498, 45.9764,  
72.9749)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDA1DB
RGB	221, 161, 219
RGB Percent	87%, 63%, 86%
CMY	0.1333, 0.3686, 0.1412
CMYK	0.00, 0.27, 0.01, 0.13
HSL	302°, 47%, 75%
HSV	302°, 27%, 87%
XYZ	55.3498, 45.9764, 72.9749
YIQ	185.5520, 17.1420, 30.7580

# Conversions

## Conversions Part 2

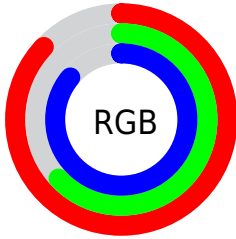
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 161, 219
Decimal	14524891
CIE Lab	73.53, 31.63, -20.66
CIE LCh	74, 37.783, 326.846
Yxy	45.9764, 0.3176, 0.2638
Android (android.graphics.Color)	4292714971 (0xFFDDA1DB)
YUV	185.5520, 16.4899, 31.0879
Hunter-Lab	67.8059, 27.0488, -16.3457

# Details

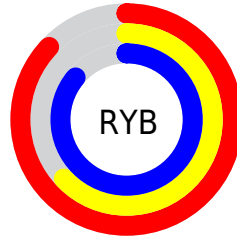
The XYZ color **55.3498, 45.9764, 72.9749** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.1671, 61.9357, 44.1217**, and the grayscale version is **46.3271, 48.7397, 53.0775**.

A 20% lighter version of the original color is **83.8459, 77.5917, 105.1653**, and **27.6865, 21.6169, 37.8352** is the 20% darker color. If you saturate the color by 10%, you get **51.7275, 38.8859, 71.2904**, and if you desaturate by 10%, it is **59.6579, 54.4362, 74.8911**.

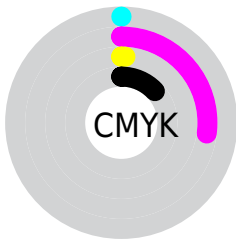
# Distribution



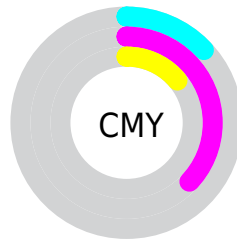
- Red (87%)
- Green (63%)
- Blue (86%)



- Red (87%)
- Yellow (63%)
- Blue (86%)



- Cyan (0%)
- Magenta (27%)
- Yellow (1%)
- Black (13%)




- Cyan (13%)
- Magenta (37%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.3498, 45.9764, 72.9749 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 55.3498, 45.9764, 72.9749 by changing the saturation by 10% instead.




 55.3498, 45.9764,  
72.9749


 55.3498, 45.9764,  
72.9749


397.3514,  
370.7138, 489.9963

 39.9168, 32.2272,  
53.4637


 97.1986, 84.1837,  
125.1622

 27.6576, 21.5351,  
37.7828


 124.3451,  
109.4105, 158.6753

 18.2069, 13.5157,  
25.5137


156.1269,  
139.2321, 197.6930

 11.1992, 7.7846,  
16.2377

192.9092,  
174.0327, 242.6335

 6.2693, 3.9574,  
9.5363

235.0575,  
214.1968, 293.9156

 3.0517, 1.6498,  
4.9911

282.9370,

 1.1812, 0.3908,

260.1087, 351.9577

2.1834

336.9132,  
312.1529, 417.1784

■ 0.0914, 0.0000,  
0.6647

■ 0.0000, 0.0000,  
0.0000

■ 55.3498, 45.9764,  
72.9749

■ 55.3498, 45.9764,  
72.9749

■ 51.7275, 38.8859,  
71.2904

■ 59.6579, 54.4362,  
74.8911

■ 48.7508, 33.0868,  
69.8228

■ 64.6809, 64.3258,  
77.0472

■ 46.3820, 28.5025,  
68.5598

■ 70.4512, 75.7095,  
79.4546

■ 44.5774, 25.0463,  
67.4871

■ 76.9982, 88.6459,  
82.1229

43.2880, 22.6195,  
66.5882

78.8560, 92.2031,  
83.2303

42.4559, 21.1069,  
65.8439

78.9554, 92.2428,  
83.7538

42.0052, 20.3562,  
65.2287

79.0552, 92.2828,  
84.2795

41.9099, 20.2086,  
65.0648

79.1555, 92.3229,  
84.8074

79.2562, 92.3631,  
85.3377

# Harmonies

## Analogous

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



49.7556, 45.9764, 90.5419



55.3498, 45.9764, 72.9749



57.8087, 45.9764, 52.1103

# Triad

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



55.3498, 45.9764, 72.9749



44.4092, 45.9764, 21.5963



33.2185, 45.9764, 68.5633

# Complementary

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



55.3498, 45.9764, 72.9749



47.1671, 61.9357, 44.1217

# 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.



32.0954, 45.9764, 48.0651



55.3498, 45.9764, 72.9749



38.1554, 45.9764, 23.9041

# Square

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



55.3498, 45.9764, 72.9749



51.1012, 45.9764, 25.1611



33.8102, 45.9764, 32.5281



37.0488, 45.9764, 87.5726



# Rectangle

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



55.3498, 45.9764, 72.9749



57.1707, 45.9764, 40.1454



33.8102, 45.9764, 32.5281



32.5299, 45.9764, 61.4869

# Sweetspot

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



55.3512, 45.9784, 72.9759



88.7746, 87.6241, 106.2690



40.9024, 38.4992, 73.6827



18.7650, 18.2893, 22.6455



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.



55.3512, 45.9784, 72.9759



73.3761, 57.3698, 99.4633



51.7506, 44.5382, 54.0152



13.5947, 13.2670, 16.3927



24.3546, 11.7429, 37.8430



1.5838, 0.7632, 2.4833



# Inverse Universe

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



55.3512, 45.9784, 72.9759



73.3761, 57.3698, 99.4633



50.1817, 63.1415, 59.9965



13.5947, 13.2670, 16.3927



24.3546, 11.7429, 37.8430

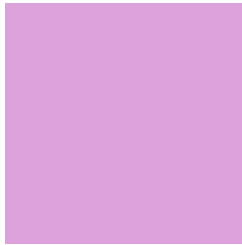


1.5838, 0.7632, 2.4833



# Previews

## White Background



This preview shows how the XYZ color 55.3498, 45.9764, 72.9749 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

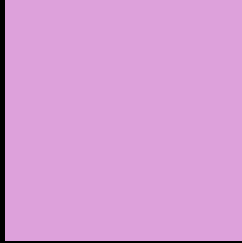
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.3498, 45.9764, 72.9749 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 55.3498, 45.9764, 72.9749**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.3498, 45.9764, 72.9749.



This preview shows how white text looks on a background with the XYZ color 55.3498, 45.9764,



# 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

55.3498, 45.9764, 72.9749

### Protanopia

46.6219, 46.2819, 82.8200

### Deuteranopia

47.1729, 46.2259, 71.4020



## Tritanopia

50.6620, 45.9404, 49.9133

# Trichromacy



## Original Color

55.3498, 45.9764, 72.9749



## Protanomaly

49.1112, 45.6159, 78.8894



## Deuteranomaly

49.8522, 45.8713, 71.8722



## Tritanomaly

52.2189, 45.7558, 57.7093

# Monochromacy



## Original Color

55.3498, 45.9764, 72.9749



## Achromatopsia

46.6715, 49.1021, 53.4722



## Achromatomaly

49.4684, 47.6636, 60.0188

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.3498, 45.9764, 72.9749 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(221, 161, 219)` looks like.

```
.text, #text, p{  
    color:rgb(221, 161, 219)  
}
```

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(221, 161, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 161, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 55.3498, 45.9764, 72.9749 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(221, 161, 219) }
```



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

```
.border{ border-color:rgb(221, 161, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 161, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 161, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 161, 219);  
box-shadow:4px 4px 4px 4px rgb(221, 161,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.3498, 45.9764, 72.9749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 161, 219) }
```

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

```
.background{ background-color: rgb(221,  
161, 219) }
```

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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