

# Converting Colors

XYZ(55.1863, 45.4139, 71.2615)

Have a look what the booklet for  
XYZ(55.1863, 45.4139, 71.2615)  
contains.

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# Color

**XYZ(55.3539, 45.4940,  
71.5094)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DF9FD9
RGB	223, 159, 217
RGB Percent	87%, 62%, 85%
CMY	0.1255, 0.3765, 0.1490
CMYK	0.00, 0.29, 0.03, 0.13
HSL	306°, 50%, 75%
HSV	306°, 29%, 87%
XYZ	55.3539, 45.4940, 71.5094
YIQ	184.7480, 19.5260, 31.6060

# Conversions

## Conversions Part 2

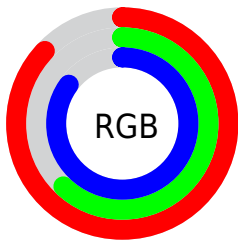
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 159, 217
Decimal	14655449
CIE Lab	73.22, 33.00, -20.03
CIE LCh	73, 38.598, 328.747
Yxy	45.4940, 0.3212, 0.2640
Android (android.graphics.Color)	4292845529 (0xFFDF9FD9)
YUV	184.7480, 15.9002, 33.5470
Hunter-Lab	67.4492, 28.4543, -15.6445

# Details

The XYZ color **55.3539, 45.4940, 71.5094** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.4791, 62.8642, 45.2315**, and the grayscale version is **45.8822, 48.2717, 52.5679**.

A 20% lighter version of the original color is **83.3366, 76.5731, 104.9955**, and **27.7156, 21.3395, 36.8406** is the 20% darker color. If you saturate the color by 10%, you get **51.5898, 38.3974, 68.9218**, and if you desaturate by 10%, it is **59.8161, 53.9795, 74.3476**.

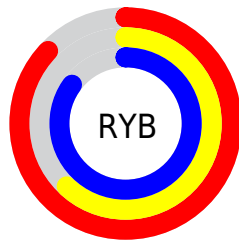
# Distribution



Red (87%)

Green (62%)

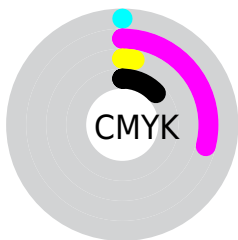
Blue (85%)



Red (87%)

Yellow (62%)

Blue (85%)

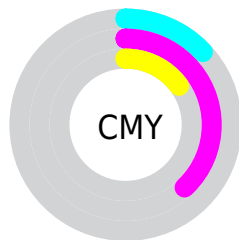


Cyan (0%)

Magenta (29%)

Yellow (3%)

Black (13%)



Cyan (13%)

Magenta (38%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.3539, 45.4940, 71.5094 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 55.3539, 45.4940, 71.5094 by changing the saturation by 10% instead.





 55.3539, 45.4940,  
71.5094


 55.3539, 45.4940,  
71.5094


397.3667,  
368.7706, 484.7638

 39.9201, 31.8467,  
52.2736


 97.2046, 83.4612,  
123.0600

 27.6602, 21.2444,  
36.8395

 124.3522,  
108.5499, 156.2119

 18.2088, 13.3028,  
24.7884


156.1351,  
138.2212, 194.8396

 11.2006, 7.6374,  
15.7019

192.9186,  
172.8596, 239.3616

 6.2702, 3.8638,  
9.1614

235.0682,  
212.8492, 290.1965

 3.0523, 1.5977,  
4.7484

282.9492,

 1.1815, 0.3560,

258.5747, 347.7628

2.0442

336.9269,  
310.4204, 412.4790

■ 0.0917, 0.0000,  
0.5823

■ 0.0000, 0.0000,  
0.0000

■ 55.3539, 45.4940,  
71.5094

■ 55.3539, 45.4940,  
71.5094

■ 51.5898, 38.3974,  
68.9218

■ 59.8161, 53.9795,  
74.3476

■ 48.4822, 32.6093,  
66.5695

■ 65.0065, 63.9167,  
77.4452

■ 45.9919, 28.0502,  
64.4399

■ 70.9586, 75.3720,  
80.8138

■ 44.0735, 24.6296,  
62.5177

■ 77.7028, 88.4056,  
84.4636

42.6757, 22.2446,  
60.7858

80.1198, 92.7794,  
86.6882

41.7377, 20.7737,  
59.2238

80.4110, 92.8958,  
88.2216

41.1673, 20.0328,  
57.8010

80.7057, 93.0137,  
89.7735

41.1034, 19.9568,  
57.6205

81.0039, 93.1330,  
91.3440

81.3057, 93.2537,  
92.9331

# Harmonies

## Analogous

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



49.8098, 45.4940, 89.9485



55.3539, 45.4940, 71.5094



57.6078, 45.4940, 50.3552

# Triad

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



55.3539, 45.4940, 71.5094



43.5260, 45.4940, 20.8254



32.8002, 45.4940, 69.7204

# Complementary

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



55.3539, 45.4940, 71.5094



47.4791, 62.8642, 45.2315

# 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.



31.4861, 45.4940, 48.7243



55.3539, 45.4940, 71.5094



37.2761, 45.4940, 23.5070

# Square

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



55.3539, 45.4940, 71.5094



50.3537, 45.4940, 24.0066



33.0376, 45.4940, 32.5983



36.8312, 45.4940, 88.7402



# Rectangle

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



55.3539, 45.4940, 71.5094



56.7792, 45.4940, 38.4914



33.0376, 45.4940, 32.5983



32.0459, 45.4940, 62.5120

# Sweetspot

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



55.3553, 45.4960, 71.5104



87.8161, 86.0836, 104.7892



41.0982, 38.0544, 74.9920



18.5632, 17.9782, 22.2931



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.



55.3553, 45.4960, 71.5104



72.0667, 56.0836, 94.9184



51.6587, 44.0174, 52.0442



14.2367, 13.9123, 17.0167



24.1906, 11.7432, 33.9991



1.6931, 0.8205, 2.4429



# Inverse Universe

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



55.3553, 45.4960, 71.5104



72.0667, 56.0836, 94.9184



50.6892, 64.1483, 62.1356



14.2367, 13.9123, 17.0167



24.1906, 11.7432, 33.9991

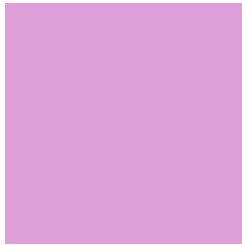


1.6931, 0.8205, 2.4429



# Previews

## White Background



This preview shows how the XYZ color 55.3539, 45.4940, 71.5094 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

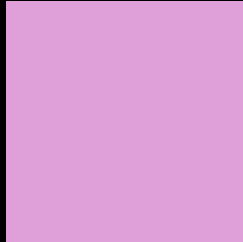
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.3539, 45.4940, 71.5094 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

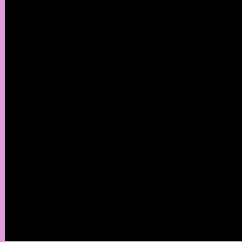
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 55.3539, 45.4940, 71.5094

## Background



This preview shows how black text looks on a background with the XYZ color 55.3539, 45.4940, 71.5094.



This preview shows how white text looks on a background with the XYZ color 55.3539, 45.4940,

71.5094.

# 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

55.3539, 45.4940, 71.5094

### Protanopia

46.1397, 45.7695, 81.2655

### Deuteranopia

46.7190, 45.7295, 69.9826



## Tritanopia

50.6863, 45.4325, 48.7457

# Trichromacy



## Original Color

55.3539, 45.4940, 71.5094



## Protanomaly

48.6470, 45.1269, 77.3805



## Deuteranomaly

49.4054, 45.3915, 70.4475



## Tritanomaly

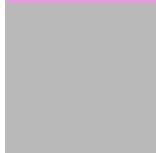
52.2380, 45.2603, 56.4349

# Monochromacy



## Original Color

55.3539, 45.4940, 71.5094



## Achromatopsia

46.1135, 48.5150, 52.8328



## Achromatomaly

49.1566, 47.2240, 59.3476

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.3539, 45.4940, 71.5094 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(223, 159, 217)` looks like.

```
.text, #text, p{  
    color:rgb(223, 159, 217)  
}
```

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(223, 159, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 159, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 55.3539, 45.4940, 71.5094 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(223, 159, 217) }
```



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

```
.border{ border-color:rgb(223, 159, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 159, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 159, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 159, 217);  
box-shadow:4px 4px 4px 4px rgb(223, 159,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.3539, 45.4940, 71.5094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 159, 217) }
```

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

```
.background{ background-color: rgb(223,  
159, 217) }
```

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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