

# Converting Colors

XYZ(53.3633, 45.4727, 68.6853)

Have a look what the booklet for  
XYZ(53.3633, 45.4727, 68.6853)  
contains.

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# Color

**XYZ(53.4263, 45.5974,  
68.9361)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8A3D5
RGB	216, 163, 213
RGB Percent	85%, 64%, 84%
CMY	0.1529, 0.3608, 0.1647
CMYK	0.00, 0.25, 0.01, 0.15
HSL	303°, 40%, 74%
HSV	303°, 25%, 85%
XYZ	53.4263, 45.5974, 68.9361
YIQ	184.5470, 15.5380, 26.7860

# Conversions

## Conversions Part 2

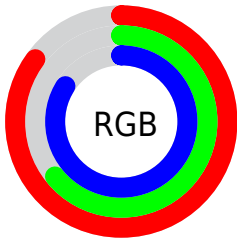
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	216, 163, 213
Decimal	14197717
CIE <sub>Lab</sub>	73.28, 27.80, -17.80
CIE <sub>LCh</sub>	73, 33.010, 327.373
Yxy	45.5974, 0.3181, 0.2715
Android (android.graphics.Color)	4292387797 (0xFFD8A3D5)
YUV	184.5470, 14.0273, 27.5843
Hunter-Lab	67.5258, 23.0586, -13.2602

# Details

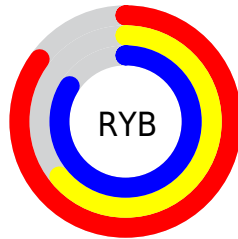
The XYZ color **53.4263, 45.5974, 68.9361** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **46.5449, 59.6528, 45.1398**, and the grayscale version is **45.7824, 48.1667, 52.4535**.

A 20% lighter version of the original color is **84.3614, 78.6228, 105.3371**, and **26.5539, 21.4146, 35.0816** is the 20% darker color. If you saturate the color by 10%, you get **49.7596, 38.5107, 66.9514**, and if you desaturate by 10%, it is **57.7519, 53.9985, 71.1472**.

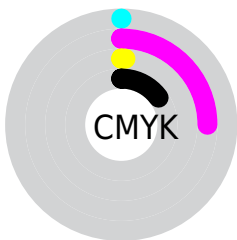
# Distribution



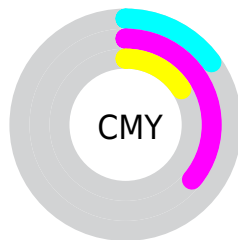
- Red (85%)
- Green (64%)
- Blue (84%)



- Red (85%)
- Yellow (64%)
- Blue (84%)



- Cyan (0%)
- Magenta (25%)
- Yellow (1%)
- Black (15%)




- Cyan (15%)
- Magenta (36%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.4263, 45.5974, 68.9361 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 53.4263, 45.5974, 68.9361 by changing the saturation by 10% instead.





 53.4263, 45.5974,  
68.9361


 53.4263, 45.5974,  
68.9361


390.1527,  
369.1877, 475.4934

 38.3720, 31.9282,  
50.1882

 94.3932, 83.6162,  
119.3571

 26.4501, 21.3067,  
35.1908


 121.0366,  
108.7345, 151.8674

 17.2951, 13.3484,  
23.5251

152.2737,  
138.4381, 189.8022

 10.5417, 7.6689,  
14.7728

188.4698,  
173.1113, 233.5801

 5.8246, 3.8838,  
8.5152

229.9905,  
213.1384, 283.6196

 2.7784, 1.6088,  
4.3339

277.2009,

 1.0377, 0.3635,

258.9039, 340.3393

1.8103

330.4665,  
310.7922, 404.1577

■ 0.0000, 0.0000,  
0.4347

■ 0.0000, 0.0000,  
0.0000

■ 53.4263, 45.5974,  
68.9361

■ 53.4263, 45.5974,  
68.9361

■ 49.7596, 38.5107,  
66.9514

■ 57.7519, 53.9985,  
71.1472

■ 46.7145, 32.6660,  
65.1792

■ 62.7632, 63.7699,  
73.5921

■ 44.2560, 27.9928,  
63.6083

■ 68.4906, 74.9714,  
76.2816

■ 42.3442, 24.4112,  
62.2253

■ 74.9612, 87.6577,  
79.2245

40.9343, 21.8314,  
61.0154

76.8806, 91.2397,  
80.6563

39.9742, 20.1493,  
59.9611

77.0423, 91.3043,  
81.5080

39.4005, 19.2382,  
59.0413

77.2053, 91.3695,  
82.3659

39.1911, 18.9479,  
58.5758

77.3694, 91.4352,  
83.2301

77.5347, 91.5013,  
84.1006

# Harmonies

## Analogous

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



48.6715, 45.5974, 83.7549



53.4263, 45.5974, 68.9361



55.4614, 45.5974, 51.1260

# Triad

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



53.4263, 45.5974, 68.9361



43.8521, 45.5974, 24.0887



34.1706, 45.5974, 65.8286

# Complementary

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



53.4263, 45.5974, 68.9361



46.5449, 59.6528, 45.1398

# 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.



33.1257, 45.5974, 48.1984



53.4263, 45.5974, 68.9361



38.4109, 45.5974, 26.3430

# Square

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



53.4263, 45.5974, 68.9361



49.6342, 45.5974, 27.3141



34.6087, 45.5974, 34.3415



37.5998, 45.5974, 81.6977



# Rectangle

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



53.4263, 45.5974, 68.9361



54.8776, 45.5974, 40.7085



34.6087, 45.5974, 34.3415



33.5430, 45.5974, 59.8085

# Sweetspot

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



53.4277, 45.5994, 68.9371



89.4553, 89.0704, 106.2346



41.1465, 39.2238, 70.3689



19.0491, 18.8734, 22.6912



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.



53.4277, 45.5994, 68.9371



75.1572, 61.2814, 98.9800



50.3713, 44.3768, 52.8421



12.9213, 12.6200, 15.5255



23.2107, 11.2206, 34.7430



1.4094, 0.6806, 2.1454



# Inverse Universe

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



53.4277, 45.5994, 68.9371



75.1572, 61.2814, 98.9800



49.1928, 60.7120, 59.0839



12.9213, 12.6200, 15.5255



23.2107, 11.2206, 34.7430



1.4094, 0.6806, 2.1454



# Previews

## White Background



This preview shows how the XYZ color 53.4263, 45.5974, 68.9361 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

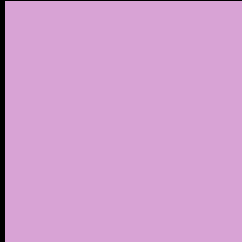
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.4263, 45.5974, 68.9361 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 53.4263, 45.5974, 68.9361**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.4263, 45.5974, 68.9361.



This preview shows how white text looks on a background with the XYZ color 53.4263, 45.5974,

68.9361.

# 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

53.4263, 45.5974, 68.9361

### Protanopia

45.9525, 45.7687, 76.9333

### Deuteranopia

46.8116, 45.8211, 68.0051



## Tritanopia

49.7828, 45.7504, 50.4628

# Trichromacy



## Original Color

53.4263, 45.5974, 68.9361

## Protanomaly

48.3554, 45.6192, 73.9669

## Deuteranomaly

48.9523, 45.4814, 68.4861

## Tritanomaly

50.8849, 45.6338, 56.5784

# Monochromacy



## Original Color

53.4263, 45.5974, 68.9361

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

48.3374, 47.1202, 58.1772

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.4263, 45.5974, 68.9361 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(216, 163, 213)` looks like.

```
.text, #text, p{  
    color:rgb(216, 163, 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(216, 163, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 163, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 53.4263, 45.5974, 68.9361 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(216, 163, 213) }
```



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

```
.border{ border-color:rgb(216, 163, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 163, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 163, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 163, 213); box-shadow:4px 4px 4px 4px rgb(216, 163, 213) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.4263, 45.5974, 68.9361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 163, 213) }
```

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

```
.background{ background-color: rgb(216,  
163, 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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