

# Converting Colors

XYZ(53.7970, 45.7080, 68.9456)

Have a look what the booklet for  
XYZ(53.7970, 45.7080, 68.9456)  
contains.

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# Color

**XYZ(53.7227, 45.7502,  
68.9500)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9A3D5
RGB	217, 163, 213
RGB Percent	85%, 64%, 84%
CMY	0.1490, 0.3608, 0.1647
CMYK	0.00, 0.25, 0.02, 0.15
HSL	304°, 42%, 75%
HSV	304°, 25%, 85%
XYZ	53.7227, 45.7502, 68.9500
YIQ	184.8460, 16.1340, 26.9980

# Conversions

## Conversions Part 2

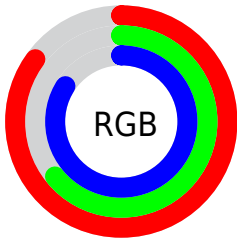
Format	Color
R <sub>Y</sub> B	217, 163, 213
Decimal	14263253
CIE Lab	73.38, 28.13, -17.64
CIE LCh	73, 33.205, 327.915
Yxy	45.7502, 0.3190, 0.2716
Android (android.graphics.Color)	4292453333 (0xFFD9A3D5)
YUV	184.8460, 13.8799, 28.1991
Hunter-Lab	67.6389, 23.4069, -13.0920

# Details

The XYZ color **53.7227, 45.7502, 68.9500** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **46.8940, 60.2036, 45.7106**, and the grayscale version is **45.9488, 48.3417, 52.6441**.

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 **49.9928, 38.6146, 66.7054**, and if you desaturate by 10%, it is **58.1185, 54.2128, 71.4276**.

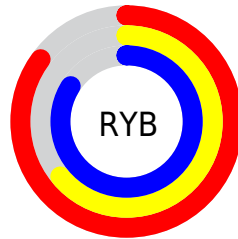
# Distribution



Red (85%)

Green (64%)

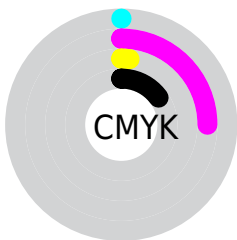
Blue (84%)



Red (85%)

Yellow (64%)

Blue (84%)

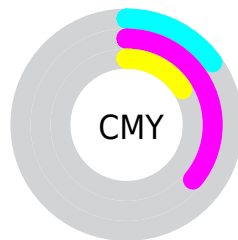


Cyan (0%)

Magenta (25%)

Yellow (2%)

Black (15%)



Cyan (15%)

Magenta (36%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.7227, 45.7502, 68.9500 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 53.7227, 45.7502, 68.9500 by changing the saturation by 10% instead.




 53.7227, 45.7502,  
68.9500


 53.7227, 45.7502,  
68.9500

391.2673,  
369.8035, 475.5438

 38.6098, 32.0487,  
50.1995

 94.8263, 83.8450,  
119.3772

 26.6357, 21.3987,  
35.1996


 121.5476,  
109.0072, 151.8909

 17.4350, 13.4158,  
23.5319


152.8692,  
138.7584, 189.8295

 10.6423, 7.7155,  
14.7778

189.1563,  
173.4830, 233.6115

 5.8924, 3.9134,  
8.5187

230.7743,  
213.5654, 283.6553

 2.8198, 1.6253,  
4.3361

278.0886,

 1.0592, 0.3745,

259.3900, 340.3796

1.8115

331.4645,  
311.3412, 404.2029

■ 0.0000, 0.0000,  
0.4355

■ 0.0000, 0.0000,  
0.0000

■ 53.7227, 45.7502,  
68.9500

■ 53.7227, 45.7502,  
68.9500

■ 49.9928, 38.6146,  
66.7054

■ 58.1185, 54.2128,  
71.4276

■ 46.8909, 32.7324,  
64.6795

■ 63.2073, 64.0590,  
74.1457

■ 44.3815, 28.0323,  
62.8611

■ 69.0199, 75.3494,  
77.1151

■ 42.4242, 24.4330,  
61.2366

■ 75.5839, 88.1395,  
80.3450

40.9734, 21.8434,  
59.7908

77.4320, 91.4945,  
82.0131

39.9760, 20.1575,  
58.5060

77.6474, 91.5806,  
83.1470

39.3673, 19.2460,  
57.3606

77.8647, 91.6675,  
84.2917

39.1495, 18.9654,  
56.8094

78.0842, 91.7553,  
85.4474

78.3057, 91.8439,  
86.6139

# Harmonies

## Analogous

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



48.9631, 45.7502, 84.0283



53.7227, 45.7502, 68.9500



55.7155, 45.7502, 50.9947

# Triad

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



53.7227, 45.7502, 68.9500



43.8945, 45.7502, 24.0672



34.2866, 45.7502, 66.4608

# Complementary

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



53.7227, 45.7502, 68.9500



46.8940, 60.2036, 45.7106

# 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.



33.1884, 45.7502, 48.6520



53.7227, 45.7502, 68.9500



38.4300, 45.7502, 26.4347

# Square

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



53.7227, 45.7502, 68.9500



49.7339, 45.7502, 27.2099



34.6369, 45.7502, 34.5934



37.7813, 45.7502, 82.3793



# Rectangle

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



53.7227, 45.7502, 68.9500



55.0836, 45.7502, 40.5512



34.6369, 45.7502, 34.5934



33.6395, 45.7502, 60.3901

# Sweetspot

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



53.7241, 45.7522, 68.9510



89.4054, 89.0504, 105.9717



41.4756, 39.3785, 71.0613



19.0375, 18.8688, 22.6301



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.



53.7241, 45.7522, 68.9510



74.4109, 60.1605, 97.5850



50.6196, 44.5104, 52.6030



13.5706, 13.2573, 16.2659



23.7159, 11.4874, 34.4796



1.5491, 0.7493, 2.3006



# Inverse Universe

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



53.7241, 45.7522, 68.9510



74.4109, 60.1605, 97.5850



49.6115, 61.2906, 60.0209



13.5706, 13.2573, 16.2659



23.7159, 11.4874, 34.4796

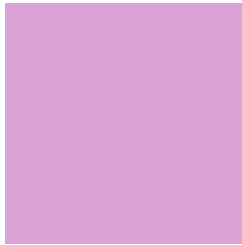


1.5491, 0.7493, 2.3006



# Previews

## White Background



This preview shows how the XYZ color 53.7227, 45.7502, 68.9500 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

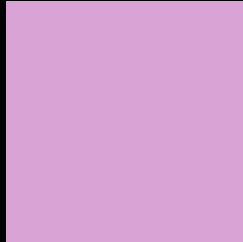
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.7227, 45.7502, 68.9500 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

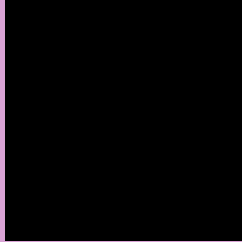
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 53.7227, 45.7502, 68.9500**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.7227, 45.7502, 68.9500.



This preview shows how white text looks on a background with the XYZ color 53.7227, 45.7502,



# 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

53.7227, 45.7502, 68.9500

### Protanopia

46.1522, 46.1681, 76.9999

### Deuteranopia

47.0504, 45.9442, 68.0163



## Tritanopia

50.0720, 45.8995, 50.4764

# Trichromacy



## Original Color

53.7227, 45.7502, 68.9500

## Protanomaly

48.3554, 45.6192, 73.9669

## Deuteranomaly

49.2115, 45.6150, 68.4982

## Tritanomaly

51.1759, 45.7838, 56.5920

# Monochromacy



## Original Color

53.7227, 45.7502, 68.9500

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

48.5984, 47.2547, 58.1894

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.7227, 45.7502, 68.9500 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(217, 163, 213)` looks like.

```
.text, #text, p{  
    color:rgb(217, 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(217, 163, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 163, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 53.7227, 45.7502, 68.9500 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(217, 163, 213) }
```



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

```
.border{ border-color:rgb(217, 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(217, 163, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 163, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 163, 213);  
box-shadow:4px 4px 4px 4px rgb(217, 163,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.7227, 45.7502, 68.9500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 163, 213) }
```

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

```
.background{ background-color: rgb(217,  
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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