

# Converting Colors

XYZ(52.1639, 43.1053, 71.9493)

Have a look what the booklet for  
XYZ(52.1639, 43.1053, 71.9493)  
contains.

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# Color

**XYZ(52.2749, 43.1350,  
71.9004)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D69CDA
RGB	214, 156, 218
RGB Percent	84%, 61%, 85%
CMY	0.1608, 0.3882, 0.1451
CMYK	0.02, 0.28, 0.00, 0.15
HSL	296°, 46%, 73%
HSV	296°, 28%, 85%
XYZ	52.2749, 43.1350, 71.9004
YIQ	180.4100, 14.6660, 31.5780

# Conversions

## Conversions Part 2

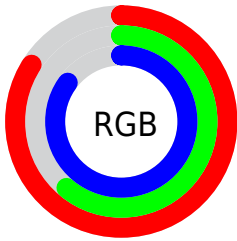
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 156, 218
Decimal	14064858
CIE <sub>Lab</sub>	71.65, 31.87, -23.05
CIE <sub>LCh</sub>	72, 39.332, 324.128
Yxy	43.1350, 0.3124, 0.2578
Android (android.graphics.Color)	4292254938 (0xFFD69CDA)
YUV	180.4100, 18.5319, 29.4584
Hunter-Lab	65.6772, 27.1395, -18.9339

# Details

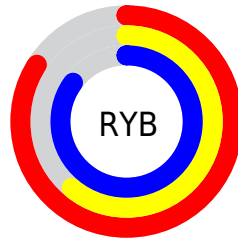
The XYZ color **52.2749, 43.1350, 71.9004** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **45.5708, 60.0178, 40.6373**, and the grayscale version is **43.5018, 45.7673, 49.8406**.

A 20% lighter version of the original color is **82.5843, 75.0685, 104.7448**, and **25.6617, 19.8141, 37.1223** is the 20% darker color. If you saturate the color by 10%, you get **48.5317, 36.2545, 70.7702**, and if you desaturate by 10%, it is **56.6809, 51.3341, 73.2514**.

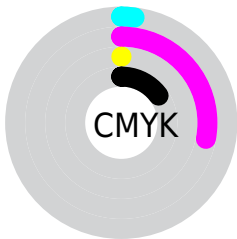
# Distribution



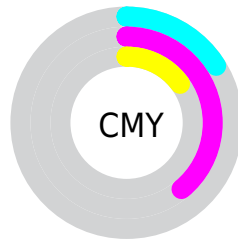
- Red (84%)
- Green (61%)
- Blue (85%)



- Red (84%)
- Yellow (61%)
- Blue (85%)



- Cyan (2%)
- Magenta (28%)
- Yellow (0%)
- Black (15%)



- Cyan (16%)
- Magenta (39%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2749, 43.1350, 71.9004 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 52.2749, 43.1350, 71.9004 by changing the saturation by 10% instead.





 52.2749, 43.1350,  
71.9004


 52.2749, 43.1350,  
71.9004


385.8035,  
359.1667, 486.1631

 37.4494, 29.9911,  
52.5910


 92.7084, 79.9145,  
123.6213

 25.7309, 19.8318,  
37.0909

 119.0470,  
104.3189, 156.8699

 16.7541, 12.2728,  
24.9815

149.9541,  
133.2456, 195.6019

 10.1535, 6.9298,  
15.8444

185.7950,  
167.0789, 240.2360

 5.5639, 3.4182,  
9.2609

226.9350,  
206.2033, 291.1906

 2.6199, 1.3538,  
4.8126

273.7396,

 0.9561, 0.1823,

251.0031, 348.8843

2.0809

326.5739,  
301.8627, 413.7356

■ 0.0000, 0.0000,  
0.6044

■ 0.0000, 0.0000,  
0.0000

■ 52.2749, 43.1350,  
71.9004

■ 52.2749, 43.1350,  
71.9004

■ 48.5317, 36.2545,  
70.7702

■ 56.6809, 51.3341,  
73.2514

■ 45.4120, 30.6166,  
69.8465

■ 61.7780, 60.9110,  
74.8313

■ 42.8788, 26.1464,  
69.1171

■ 67.5980, 71.9285,  
76.6511

■ 40.8894, 22.7587,  
68.5681

■ 74.1694, 84.4435,  
78.7204

39.3954, 20.3564,  
68.1831

78.2439, 91.9594,  
79.9564

38.3396, 18.8254,  
67.9433

78.6741, 92.1811,  
79.9765

37.6369, 17.9955,  
67.8201

79.1078, 92.4047,  
79.9968

37.5397, 17.8905,  
67.8050

79.5451, 92.6301,  
80.0173

79.9860, 92.8575,  
80.0379

# Harmonies

## Analogous

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



46.4589, 43.1350, 89.0154



52.2749, 43.1350, 71.9004



55.1012, 43.1350, 50.8194

# Triad

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



52.2749, 43.1350, 71.9004



42.3226, 43.1350, 19.1162



30.3873, 43.1350, 63.6092

# Complementary

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



52.2749, 43.1350, 71.9004



45.5708, 60.0178, 40.6373

# 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.



29.5342, 43.1350, 43.3138



52.2749, 43.1350, 71.9004



35.9837, 43.1350, 20.8183

# Square

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



52.2749, 43.1350, 71.9004



48.9691, 43.1350, 23.0765



31.4729, 43.1350, 28.5880



33.9434, 43.1350, 83.3921



# Rectangle

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



52.2749, 43.1350, 71.9004



54.7123, 43.1350, 38.5719



31.4729, 43.1350, 28.5880



29.7922, 43.1350, 56.4988

# Sweetspot

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



52.2763, 43.1369, 71.9013



87.6181, 85.9417, 106.5782



38.9609, 37.3198, 71.4803



18.5139, 17.9429, 22.7375



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.



52.2763, 43.1369, 71.9013



71.3202, 55.5508, 101.5711



50.2219, 42.4517, 54.9157



13.5271, 13.2299, 16.4928



22.5253, 10.7364, 40.6235



1.4849, 0.7087, 2.6330



# Inverse Universe

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



47.1485, 41.2223, 38.7313



62.9276, 52.4280, 46.7928



47.3166, 60.6252, 53.9367



13.0899, 13.0651, 13.7349



17.3837, 8.9545, 1.1345

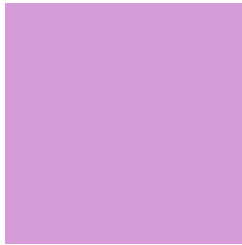


1.1384, 0.5850, 0.1379



# Previews

## White Background



This preview shows how the XYZ color 52.2749, 43.1350, 71.9004 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

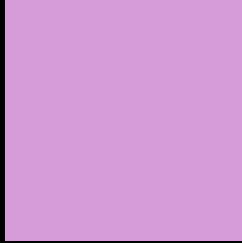
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.2749, 43.1350, 71.9004 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

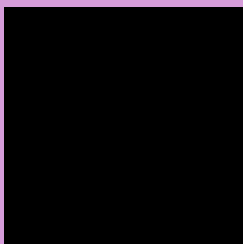
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.2749, 43.1350, 71.9004**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.2749, 43.1350, 71.9004.



This preview shows how white text looks on a background with the XYZ color 52.2749, 43.1350,

71.9004.

# 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

52.2749, 43.1350, 71.9004

### Protanopia

44.0571, 43.5152, 81.6785

### Deuteranopia

44.2518, 43.2956, 70.3145



## Tritanopia

47.2237, 43.1351, 47.4319

# Trichromacy



## Original Color

52.2749, 43.1350, 71.9004



## Protanomaly

46.3686, 42.8317, 77.7750



## Deuteranomaly

46.7699, 42.9217, 70.7854



## Tritanomaly

48.8376, 42.9971, 55.5944

# Monochromacy



## Original Color

52.2749, 43.1350, 71.9004



## Achromatopsia

43.3819, 45.6411, 49.7032



## Achromatomaly

46.0387, 44.2273, 57.1492

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.2749, 43.1350, 71.9004 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(214, 156, 218)` looks like.

```
.text, #text, p{  
    color:rgb(214, 156, 218)  
}
```

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(214, 156, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 156, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 52.2749, 43.1350, 71.9004 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(214, 156, 218) }
```



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

```
.border{ border-color:rgb(214, 156, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 156, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 156, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 156, 218);  
box-shadow:4px 4px 4px 4px rgb(214, 156,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.2749, 43.1350, 71.9004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 156, 218) }
```

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

```
.background{ background-color: rgb(214,  
156, 218) }
```

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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