

# Converting Colors

XYZ(51.2256, 43.4837, 72.1534)

Have a look what the booklet for  
XYZ(51.2256, 43.4837, 72.1534)  
contains.

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# Color

**XYZ(51.2381, 43.6135,  
72.0474)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0A0DA
RGB	208, 160, 218
RGB Percent	82%, 63%, 85%
CMY	0.1843, 0.3725, 0.1451
CMYK	0.05, 0.27, 0.00, 0.15
HSL	290°, 44%, 74%
HSV	290°, 27%, 85%
XYZ	51.2381, 43.6135, 72.0474
YIQ	180.9640, 9.9900, 28.2140

# Conversions

## Conversions Part 2

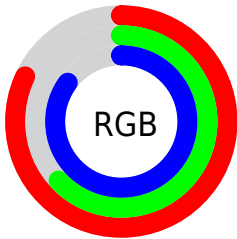
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	208, 160, 218
Decimal	13672666
CIE <sub>Lab</sub>	71.97, 27.75, -22.61
CIE <sub>LCh</sub>	72, 35.797, 320.832
Yxy	43.6135, 0.3070, 0.2613
Android (android.graphics.Color)	4291862746 (0xFFD0A0DA)
YUV	180.9640, 18.2587, 23.7106
Hunter-Lab	66.0405, 22.9198, -18.4545

# Details

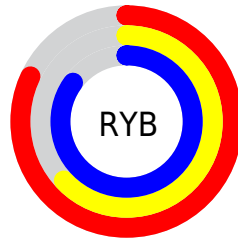
The XYZ color **51.2381, 43.6135, 72.0474** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.9957, 61.2281, 42.5485**, and the grayscale version is **43.8034, 46.0846, 50.1861**.

A 20% lighter version of the original color is **83.5904, 77.0809, 105.0801**, and **25.1103, 20.1418, 37.2146** is the 20% darker color. If you saturate the color by 10%, you get **46.7413, 36.1694, 70.8482**, and if you desaturate by 10%, it is **56.4253, 52.3995, 73.4705**.

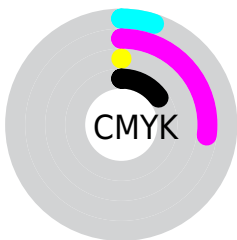
# Distribution



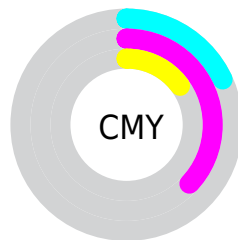
- Red (82%)
- Green (63%)
- Blue (85%)



- Red (82%)
- Yellow (63%)
- Blue (85%)



- Cyan (5%)
- Magenta (27%)
- Yellow (0%)
- Black (15%)




- Cyan (18%)
- Magenta (37%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2381, 43.6135, 72.0474 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 51.2381, 43.6135, 72.0474 by changing the saturation by 10% instead.





 51.2381, 43.6135,  
72.0474


 51.2381, 43.6135,  
72.0474


381.8606,  
361.1287, 486.6885

 36.6199, 30.3668,  
52.7103


 91.1875, 80.6358,  
123.8323

 25.0857, 20.1171,  
37.1854


 117.2495,  
105.1802, 157.1171

 16.2700, 12.4802,  
25.0542

147.8568,  
134.2593, 195.8884

 9.8075, 7.0716,  
15.8980

183.3748,  
168.2575, 240.5645

 5.3328, 3.5069,  
9.2985

224.1688,  
207.5591, 291.5640

 2.4806, 1.4018,  
4.8369

270.6042,

 0.8855, 0.2180,

252.5486, 349.3055

2.0948

323.0463,  
303.6103, 414.2075

■ 0.0000, 0.0000,  
0.6127

■ 0.0000, 0.0000,  
0.0000

■ 51.2381, 43.6135,  
72.0474

■ 51.2381, 43.6135,  
72.0474

■ 46.7413, 36.1694,  
70.8482

■ 56.4253, 52.3995,  
73.4705

■ 42.8960, 29.9924,  
69.8586

■ 62.3311, 62.5859,  
75.1254

■ 39.6658, 25.0086,  
69.0669

■ 68.9869, 74.2349,  
77.0231

■ 37.0085, 21.1345,  
68.4591

■ 76.4212, 87.4028,  
79.1730

34.8769, 18.2754,  
68.0196

80.0290, 92.8796,  
80.0399

33.2155, 16.3210,  
67.7300

81.2262, 93.4968,  
80.0960

31.9537, 15.1302,  
67.5666

82.4494, 94.1274,  
80.1532

31.5739, 14.8150,  
67.5258

83.6988, 94.7715,  
80.2117

84.9746, 95.4292,  
80.2714

# Harmonies

## Analogous

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



45.7703, 43.6135, 86.3552



51.2381, 43.6135, 72.0474



54.1576, 43.6135, 53.0490

# Triad

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



51.2381, 43.6135, 72.0474



43.3522, 43.6135, 21.4271



31.4201, 43.6135, 60.4769

# Complementary

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



51.2381, 43.6135, 72.0474



47.9957, 61.2281, 42.5485

# 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.



30.9096, 43.6135, 42.3293



51.2381, 43.6135, 72.0474



37.4167, 43.6135, 22.4844

# Square

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



51.2381, 43.6135, 72.0474



49.3195, 43.6135, 25.8985



33.0010, 43.6135, 29.2594



34.4714, 43.6135, 78.6170



# Rectangle

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



51.2381, 43.6135, 72.0474



54.0869, 43.6135, 41.4450



33.0010, 43.6135, 29.2594



30.9583, 43.6135, 54.0909

# Sweetspot

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



51.2395, 43.6154, 72.0483



87.6017, 87.0069, 106.7846



41.6477, 41.5251, 72.1504



18.4673, 18.1326, 22.7766



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.



51.2395, 43.6154, 72.0483



69.3224, 55.9494, 101.7534



51.8681, 44.2020, 60.2186



13.3826, 13.1554, 16.4860



18.9965, 8.9173, 40.4584



1.2900, 0.6083, 2.6239



# Inverse Universe

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



48.7415, 42.9513, 43.7538



65.2804, 54.9088, 54.4353



47.6429, 60.8466, 51.5482



13.1472, 13.0880, 14.0365



17.5552, 9.0231, 2.0378



1.1656, 0.5959, 0.2808



# Previews

## White Background



This preview shows how the XYZ color 51.2381, 43.6135, 72.0474 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

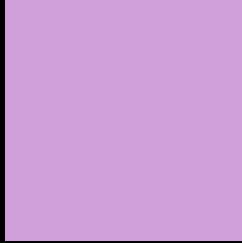
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.2381, 43.6135, 72.0474 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

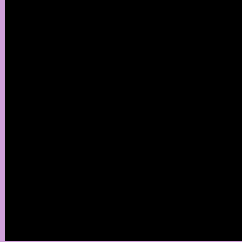
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 51.2381, 43.6135, 72.0474**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.2381, 43.6135, 72.0474.



This preview shows how white text looks on a background with the XYZ color 51.2381, 43.6135,



# 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

51.2381, 43.6135, 72.0474

### Protanopia

44.4378, 44.0479, 79.5588

### Deuteranopia

44.7938, 43.8437, 71.0675



## Tritanopia

46.6855, 43.6292, 49.1407

# Trichromacy



## Original Color

51.2381, 43.6135, 72.0474

## Protanomaly

46.4197, 43.7150, 76.5123

## Deuteranomaly

46.7767, 43.4541, 71.5677

## Tritanomaly

48.1899, 43.4251, 56.8809

# Monochromacy



## Original Color

51.2381, 43.6135, 72.0474

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

46.1670, 44.8585, 57.2642

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.2381, 43.6135, 72.0474 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(208, 160, 218)` looks like.

```
.text, #text, p{  
    color:rgb(208, 160, 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(208, 160, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 160, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 51.2381, 43.6135, 72.0474 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(208, 160, 218) }
```



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

```
.border{ border-color:rgb(208, 160, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 160, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 160, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 160, 218);  
box-shadow:4px 4px 4px 4px rgb(208, 160,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.2381, 43.6135, 72.0474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 160, 218) }
```

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

```
.background{ background-color: rgb(208,  
160, 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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