

# Converting Colors

XYZ(53.2322, 46.2318, 70.8610)

Have a look what the booklet for  
XYZ(53.2322, 46.2318, 70.8610)  
contains.

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# Color

**XYZ(53.1823, 46.2274,  
71.0855)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4A6D8
RGB	212, 166, 216
RGB Percent	83%, 65%, 85%
CMY	0.1686, 0.3490, 0.1529
CMYK	0.02, 0.23, 0.00, 0.15
HSL	295°, 39%, 75%
HSV	295°, 23%, 85%
XYZ	53.1823, 46.2274, 71.0855
YIQ	185.4540, 11.3660, 25.3020

# Conversions

## Conversions Part 2

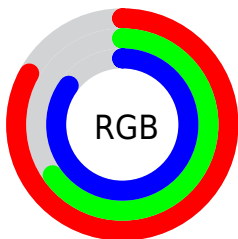
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 166, 216
Decimal	13936344
CIE Lab	73.69, 25.41, -18.86
CIE LCh	74, 31.642, 323.415
Yxy	46.2274, 0.3119, 0.2711
Android (android.graphics.Color)	4292126424 (0xFFD4A6D8)
YUV	185.4540, 15.0592, 23.2808
Hunter-Lab	67.9907, 20.6388, -14.3952

# Details

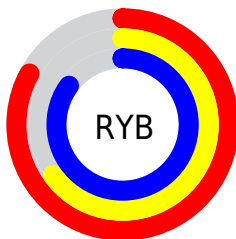
The XYZ color **53.1823, 46.2274, 71.0855** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.0180, 60.4121, 45.2086**, and the grayscale version is **46.2824, 48.6927, 53.0264**.

A 20% lighter version of the original color is **85.1465, 80.1929, 105.5988**, and **26.3550, 21.7759, 36.5323** is the 20% darker color. If you saturate the color by 10%, you get **49.0858, 38.7691, 69.8625**, and if you desaturate by 10%, it is **57.9464, 55.0113, 72.5305**.

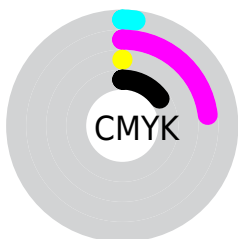
# Distribution



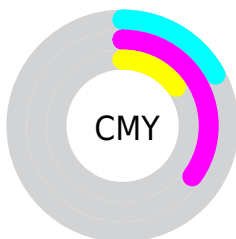
- Red (83%)
- Green (65%)
- Blue (85%)



- Red (83%)
- Yellow (65%)
- Blue (85%)



- Cyan (2%)
- Magenta (23%)
- Yellow (0%)
- Black (15%)




- Cyan (17%)
- Magenta (35%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.1823, 46.2274, 71.0855 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 53.1823, 46.2274, 71.0855 by changing the saturation by 10% instead.




 53.1823, 46.2274,  
71.0855


 53.1823, 46.2274,  
71.0855


389.2336,  
371.7221, 483.2440

 38.1764, 32.4253,  
51.9297

 94.0365, 84.5592,  
122.4511

 26.2974, 21.6866,  
36.5672


 120.6155,  
109.8577, 155.4979

 17.1801, 13.6268,  
24.5794


151.7829,  
139.7572, 194.0122

 10.4591, 7.8615,  
15.5478

187.9041,  
174.6419, 238.4124

 5.7690, 4.0065,  
9.0539

229.3444,  
214.8964, 289.1172

 2.7444, 1.6772,  
4.6790

276.4692,

 1.0201, 0.4088,

260.9050, 346.5450

2.0048

329.6438,  
313.0521, 411.1144

■ 0.0000, 0.0000,  
0.5582

■ 0.0000, 0.0000,  
0.0000

■ 53.1823, 46.2274,  
71.0855

■ 53.1823, 46.2274,  
71.0855

■ 49.0858, 38.7691,  
69.8625

■ 57.9464, 55.0113,  
72.5305

■ 45.6197, 32.5646,  
68.8476

■ 63.4044, 65.1759,  
74.2049

■ 42.7496, 27.5442,  
68.0298

■ 69.5866, 76.7809,  
76.1190

■ 40.4363, 23.6294,  
67.3961

■ 76.5199, 89.8801,  
78.2820

38.6354, 20.7319,  
66.9318

77.8644, 91.7938,  
78.5805

37.2962, 18.7499,  
66.6198

78.3921, 92.0658,  
78.6052

36.3573, 17.5605,  
66.4397

78.9253, 92.3407,  
78.6301

35.8743, 17.0620,  
66.3689

79.4639, 92.6183,  
78.6554

80.0079, 92.8988,  
78.6808

# Harmonies

## Analogous

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



48.3659, 46.2274, 84.3428



53.1823, 46.2274, 71.0855



55.5498, 46.2274, 53.9604

# Triad

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



53.1823, 46.2274, 71.0855



45.1865, 46.2274, 25.4568



34.7628, 46.2274, 63.6375

# Complementary

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



53.1823, 46.2274, 71.0855



48.0180, 60.4121, 45.2086

# 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.



34.0684, 46.2274, 46.8734



53.1823, 46.2274, 71.0855



39.7885, 46.2274, 26.9717

# Square

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



53.1823, 46.2274, 71.0855



50.6864, 46.2274, 29.3772



35.8318, 46.2274, 34.0734



37.8164, 46.2274, 79.4427



# Rectangle

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



53.1823, 46.2274, 71.0855



55.2893, 46.2274, 43.5003



35.8318, 46.2274, 34.0734



34.2571, 46.2274, 57.8479

# Sweetspot

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



53.1837, 46.2294, 71.0865



89.0943, 88.8655, 107.0647



42.5285, 41.8791, 70.8084



18.9652, 18.8258, 22.8841



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.



53.1837, 46.2294, 71.0865



74.2773, 61.5278, 102.5690



51.8258, 45.8211, 57.8430



12.8505, 12.5798, 15.6884



21.2767, 10.1211, 39.2853



1.3130, 0.6258, 2.3709



# Inverse Universe

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



49.2124, 44.7757, 44.0811



67.5167, 59.0627, 56.1634



49.2352, 60.8006, 56.0628



12.4632, 12.4368, 13.1133



16.8390, 8.6719, 1.1901



1.0300, 0.5288, 0.1474



# Previews

## White Background



This preview shows how the XYZ color 53.1823, 46.2274, 71.0855 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

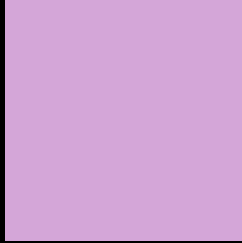
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.1823, 46.2274, 71.0855 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

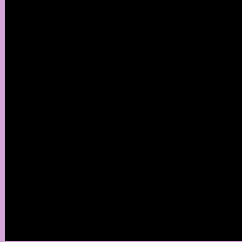
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 53.1823, 46.2274, 71.0855**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.1823, 46.2274, 71.0855.



This preview shows how white text looks on a background with the XYZ color 53.1823, 46.2274,



# 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

53.1823, 46.2274, 71.0855

### Protanopia

46.4894, 46.6248, 77.7834

### Deuteranopia

47.3882, 46.3666, 70.0704



## Tritanopia

49.5219, 46.4177, 52.2484

# Trichromacy



## Original Color

53.1823, 46.2274, 71.0855

## Protanomaly

48.5224, 46.2482, 75.4766

## Deuteranomaly

49.4574, 46.2628, 70.6129

## Tritanomaly

50.6330, 46.2903, 58.4908

# Monochromacy



## Original Color

53.1823, 46.2274, 71.0855

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

48.3899, 47.4284, 58.8287

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.1823, 46.2274, 71.0855 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(212, 166, 216)` looks like.

```
.text, #text, p{  
    color:rgb(212, 166, 216)  
}
```

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(212, 166, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 166, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 53.1823, 46.2274, 71.0855 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(212, 166, 216) }
```



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

```
.border{ border-color:rgb(212, 166, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 166, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 166, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 166, 216);  
box-shadow:4px 4px 4px 4px rgb(212, 166,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.1823, 46.2274, 71.0855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 166, 216) }
```

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

```
.background{ background-color: rgb(212,  
166, 216) }
```

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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