

# Converting Colors

XYZ(51.7450, 46.0748, 69.1169)

Have a look what the booklet for  
XYZ(51.7450, 46.0748, 69.1169)  
contains.

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# Color

**XYZ(51.7450, 46.0748,  
69.1169)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFA8D5
RGB	207, 168, 213
RGB Percent	81%, 66%, 84%
CMY	0.1882, 0.3412, 0.1647
CMYK	0.03, 0.21, 0.00, 0.16
HSL	292°, 35%, 75%
HSV	292°, 21%, 84%
XYZ	51.7450, 46.0748, 69.1169
YIQ	184.7910, 8.7990, 22.2630

# Conversions

## Conversions Part 2

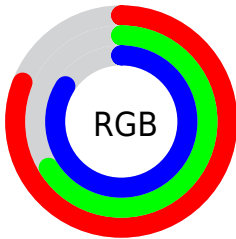
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	207, 168, 213
Decimal	13609173
CIE Lab	73.59, 22.09, -17.41
CIE LCh	74, 28.126, 321.750
Yxy	46.0748, 0.3100, 0.2760
Android (android.graphics.Color)	4291799253 (0xFFCFA8D5)
YUV	184.7910, 13.9070, 19.4773
Hunter-Lab	67.8784, 17.2867, -12.8569

# Details

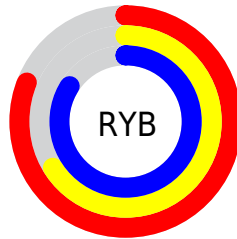
The XYZ color **51.7450, 46.0748, 69.1169** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.3194, 59.4156, 45.9698**, and the grayscale version is **45.9210, 48.3125, 52.6123**.

A 20% lighter version of the original color is **85.6777, 81.2554, 105.7759**, and **25.3658, 21.6348, 35.1868** is the 20% darker color. If you saturate the color by 10%, you get **47.3443, 38.4400, 67.8759**, and if you desaturate by 10%, it is **56.8069, 55.0091, 70.5753**.

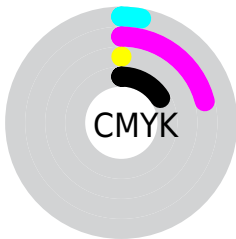
# Distribution



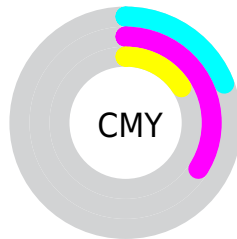
- Red (81%)
- Green (66%)
- Blue (84%)



- Red (81%)
- Yellow (66%)
- Blue (84%)



- Cyan (3%)
- Magenta (21%)
- Yellow (0%)
- Black (16%)




- Cyan (19%)
- Magenta (34%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7450, 46.0748, 69.1169 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 51.7450, 46.0748, 69.1169 by changing the saturation by 10% instead.





 51.7450, 46.0748,  
69.1169


 51.7450, 46.0748,  
69.1169


383.7915,  
371.1093, 476.1483

 37.0253, 32.3049,  
50.3346


 91.9315, 84.3309,  
119.6178

 25.4009, 21.5945,  
35.3063


 118.1290,  
109.5859, 152.1735

 16.5063, 13.5592,  
23.6135

148.8832,  
139.4380, 190.1573

 9.9762, 7.8147,  
14.8376

184.5594,  
174.2716, 233.9879

 5.4453, 3.9766,  
8.5601

225.5230,  
214.4712, 284.0837

 2.5483, 1.6605,  
4.3625

272.1393,

 0.9197, 0.3979,

260.4210, 340.8634

1.8263

324.7737,  
312.5056, 404.7454

■ 0.0000, 0.0000,  
0.4452

■ 0.0000, 0.0000,  
0.0000

■ 51.7450, 46.0748,  
69.1169

■ 51.7450, 46.0748,  
69.1169

■ 47.3443, 38.4400,  
67.8759

■ 56.8069, 55.0091,  
70.5753

■ 43.5692, 32.0361,  
66.8388

■ 62.5549, 65.2952,  
72.2578

■ 40.3869, 26.7971,  
65.9952

■ 69.0181, 76.9902,  
74.1745

■ 37.7603, 22.6484,  
65.3329

■ 76.2223, 90.1456,  
76.3340

35.6477, 19.5070,  
64.8379

77.6507, 91.7280,  
76.5642

34.0015, 17.2776,  
64.4944

78.5239, 92.1782,  
76.6050

32.7647, 15.8467,  
64.2833

79.4118, 92.6359,  
76.6466

31.9216, 15.0688,  
64.1776

80.3144, 93.1012,  
76.6888

81.2320, 93.5742,  
76.7318

# Harmonies

## Analogous

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



47.4350, 46.0748, 80.1671



51.7450, 46.0748, 69.1169



53.9611, 46.0748, 54.2032

# Triad

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



51.7450, 46.0748, 69.1169



45.1800, 46.0748, 27.6412



35.4931, 46.0748, 61.0229

# Complementary

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



51.7450, 46.0748, 69.1169



48.3194, 59.4156, 45.9698

# 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.



34.9894, 46.0748, 46.3375



51.7450, 46.0748, 69.1169



40.3418, 46.0748, 28.7770

# Square

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



51.7450, 46.0748, 69.1169



49.9875, 46.0748, 31.5778



36.7000, 46.0748, 35.0430



38.1321, 46.0748, 74.9119



# Rectangle

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



51.7450, 46.0748, 69.1169



53.8445, 46.0748, 44.7914



36.7000, 46.0748, 35.0430



35.0769, 46.0748, 55.9578

# Sweetspot

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



51.7464, 46.0768, 69.1179



89.6153, 90.2388, 107.3023



43.4420, 43.6939, 69.0956



19.0598, 19.0973, 22.9315



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.



51.7464, 46.0768, 69.1179



74.9169, 64.2741, 103.0653



51.5514, 46.1961, 59.1748



12.7826, 12.5448, 15.6852



19.5617, 9.2369, 39.2050



1.2261, 0.5809, 2.3668



# Inverse Universe

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



49.0848, 45.2095, 46.1860



70.3215, 62.7892, 62.9039



48.5699, 59.3648, 54.1107



12.4900, 12.4475, 13.2546



16.9144, 8.7021, 1.5873



1.0427, 0.5339, 0.2141



# Previews

## White Background



This preview shows how the XYZ color 51.7450, 46.0748, 69.1169 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

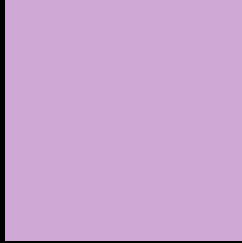
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.7450, 46.0748, 69.1169 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

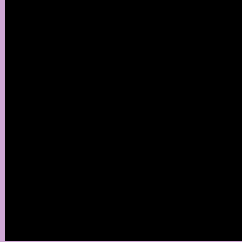
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 51.7450, 46.0748, 69.1169**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.7450, 46.0748, 69.1169.



This preview shows how white text looks on a background with the XYZ color 51.7450, 46.0748,



# 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

51.7450, 46.0748, 69.1169

### Protanopia

46.1845, 46.2313, 74.8960

### Deuteranopia

47.2472, 46.3378, 68.0819



## Tritanopia

48.4351, 46.1288, 52.8053

# Trichromacy



## Original Color

51.7450, 46.0748, 69.1169

## Protanomaly

47.9924, 46.0362, 72.6861

## Deuteranomaly

48.7579, 46.2320, 68.6412

## Tritanomaly

49.4286, 45.9487, 58.4884

# Monochromacy



## Original Color

51.7450, 46.0748, 69.1169

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

47.9627, 47.5178, 58.2737

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.7450, 46.0748, 69.1169 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(207, 168, 213)` looks like.

```
.text, #text, p{  
    color:rgb(207, 168, 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(207, 168, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 168, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 51.7450, 46.0748, 69.1169 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(207, 168, 213) }
```



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

```
.border{ border-color:rgb(207, 168, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 168, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 168, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 168, 213);  
box-shadow:4px 4px 4px 4px rgb(207, 168,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.7450, 46.0748, 69.1169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 168, 213) }
```

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

```
.background{ background-color: rgb(207,  
168, 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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