

# Converting Colors

XYZ(51.6072, 48.5207, 67.5686)

Have a look what the booklet for  
XYZ(51.6072, 48.5207, 67.5686)  
contains.

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# Color

**XYZ(51.7121, 48.6540,  
67.6384)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAB1D2
RGB	202, 177, 210
RGB Percent	79%, 69%, 82%
CMY	0.2078, 0.3059, 0.1765
CMYK	0.04, 0.16, 0.00, 0.18
HSL	285°, 27%, 76%
HSV	285°, 16%, 82%
XYZ	51.7121, 48.6540, 67.6384
YIQ	188.2370, 4.3070, 15.5630

# Conversions

## Conversions Part 2

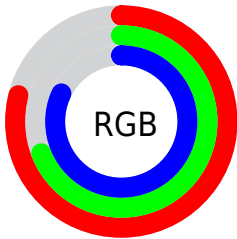
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	202, 177, 210
Decimal	13283794
CIE <sub>Lab</sub>	75.24, 14.93, -13.35
CIE <sub>LCh</sub>	75, 20.024, 318.195
Yxy	48.6540, 0.3078, 0.2896
Android (android.graphics.Color)	4291473874 (0xFFCAB1D2)
YUV	188.2370, 10.7292, 12.0702
Hunter-Lab	69.7524, 10.2672, -8.6664

# Details

The XYZ color **51.7121, 48.6540, 67.6384** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.9918, 59.5831, 50.4106**, and the grayscale version is **47.8751, 50.3683, 54.8511**.

A 20% lighter version of the original color is **88.4289, 86.7578, 106.6930**, and **25.4211, 23.1115, 34.5736** is the 20% darker color. If you saturate the color by 10%, you get **46.5246, 40.2899, 66.2981**, and if you desaturate by 10%, it is **57.5862, 58.3223, 69.1957**.

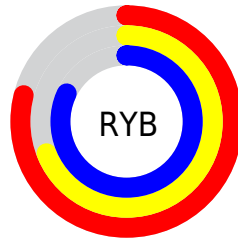
# Distribution



Red (79%)

Green (69%)

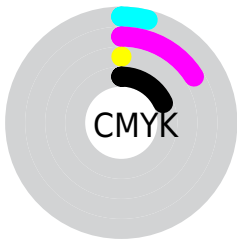
Blue (82%)



Red (79%)

Yellow (69%)

Blue (82%)

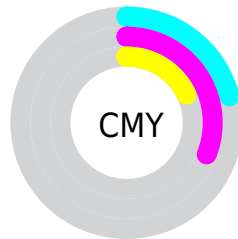


Cyan (4%)

Magenta (16%)

Yellow (0%)

Black (18%)



Cyan (21%)

Magenta (31%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7121, 48.6540, 67.6384 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 51.7121, 48.6540, 67.6384 by changing the saturation by 10% instead.



■ 51.7121, 48.6540,  
67.6384

■ 51.7121, 48.6540,  
67.6384

383.6664,  
381.3786, 470.7770

■ 36.9990, 34.3451,  
49.1388

■ 91.8833, 88.1774,  
117.4840

■ 25.3804, 23.1588,  
34.3632

118.0720,  
114.1606, 149.6671

■ 16.4909, 14.7108,  
22.8931

148.8167,  
144.8040, 187.2484

■ 9.9652, 8.6167,  
14.3101

184.4826,  
180.4921, 230.6464

■ 5.4380, 4.4920,  
8.1954

225.4352,  
221.6092, 280.2797

■ 2.5439, 1.9524,  
4.1307

272.0398,

■ 0.9174, 0.5796,

268.5397, 336.5669

1.6973

324.6617,  
321.6681, 399.9265

■ 0.0000, 0.0000,  
0.3589

■ 0.0000, 0.0000,  
0.0000

■ 51.7121, 48.6540,  
67.6384

■ 51.7121, 48.6540,  
67.6384

■ 46.5246, 40.2899,  
66.2981

■ 57.5862, 58.3223,  
69.1957

■ 41.9900, 33.1652,  
65.1619

■ 64.1703, 69.3432,  
70.9759

■ 38.0777, 27.2193,  
64.2204

■ 71.4918, 81.7703,  
72.9887

■ 34.7533, 22.3835,  
63.4622

■ 77.6296, 91.7608,  
74.5936

■ 31.9786, 18.5822,  
62.8748

■ 79.2162, 92.5787,  
74.6678

■ 29.7106, 15.7301,  
62.4438

■ 80.8503, 93.4211,  
74.7443

■ 27.8993, 13.7281,  
62.1528

■ 82.5323, 94.2882,  
74.8230

■ 26.4833, 12.4539,  
61.9815

■ 84.2627, 95.1802,  
74.9040

■ 25.9485, 12.0331,  
61.9285

■ 86.0417, 96.0974,  
74.9873

# Harmonies

## Analogous

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



48.4851, 48.6540, 74.6129



51.7121, 48.6540, 67.6384



53.5090, 48.6540, 57.2236

# Triad

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



51.7121, 48.6540, 67.6384



47.7045, 48.6540, 35.5382



39.8528, 48.6540, 59.5472

# Complementary

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



51.7121, 48.6540, 67.6384



50.9918, 59.5831, 50.4106

# 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.



39.6685, 48.6540, 48.9438



51.7121, 48.6540, 67.6384



44.0734, 48.6540, 35.9873

# Square

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



51.7121, 48.6540, 67.6384



51.1146, 48.6540, 39.2814



41.1759, 48.6540, 40.6021



41.6933, 48.6540, 69.5322



# Rectangle

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



51.7121, 48.6540, 67.6384



53.5943, 48.6540, 50.1444



41.1759, 48.6540, 40.6021



39.5988, 48.6540, 55.9121

# Sweetspot

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



51.7136, 48.6561, 67.6395



89.9885, 91.5516, 107.5361



47.1676, 48.8051, 67.9078



19.1139, 19.3510, 22.9777



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.



51.7136, 48.6561, 67.6395



77.3037, 70.7278, 104.1852



52.9330, 49.4005, 62.4687



12.0191, 11.8587, 14.8991



15.9225, 7.3886, 37.7794



0.9591, 0.4486, 2.1156



# Inverse Universe

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



51.0592, 48.6509, 52.6008



76.1377, 70.7454, 76.1755



49.9632, 58.9549, 54.7856



11.9246, 11.8546, 12.8786



16.6092, 8.5165, 2.8483

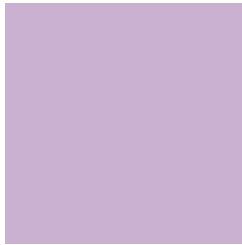


0.9607, 0.4890, 0.3278



# Previews

## White Background



This preview shows how the XYZ color 51.7121, 48.6540, 67.6384 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

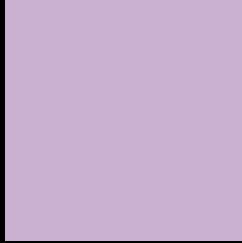
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.7121, 48.6540, 67.6384 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

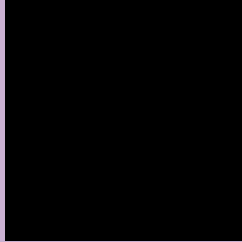
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 51.7121, 48.6540, 67.6384

## Background



This preview shows how black text looks on a background with the XYZ color 51.7121, 48.6540, 67.6384.



This preview shows how white text looks on a background with the XYZ color 51.7121, 48.6540,



# 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

51.7121, 48.6540, 67.6384

### Protanopia

48.1005, 48.8393, 70.5101

### Deuteranopia

49.7707, 48.8577, 67.1289



## Tritanopia

49.8783, 48.8169, 57.8327

# Trichromacy



## Original Color

51.7121, 48.6540, 67.6384

## Protanomaly

49.2732, 48.5432, 69.7236

## Deuteranomaly

50.5948, 48.9817, 67.1094

## Tritanomaly

50.6328, 48.8278, 61.3997

# Monochromacy



## Original Color

51.7121, 48.6540, 67.6384

## Achromatopsia

47.7994, 50.2886, 54.7643

## Achromatomaly

49.0966, 49.6040, 59.2114

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.7121, 48.6540, 67.6384 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(202, 177, 210)` looks like.

```
.text, #text, p{  
    color:rgb(202, 177, 210)  
}
```

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(202, 177, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 177, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 51.7121, 48.6540, 67.6384 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(202, 177, 210) }
```



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

```
.border{ border-color:rgb(202, 177, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 177, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 177, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 177, 210);  
box-shadow:4px 4px 4px 4px rgb(202, 177,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.7121, 48.6540, 67.6384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 177, 210) }
```

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

```
.background{ background-color: rgb(202,  
177, 210) }
```

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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