

# Converting Colors

XYZ(52.0895, 47.0712, 63.4327)

Have a look what the booklet for  
XYZ(52.0895, 47.0712, 63.4327)  
contains.

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# Color

**XYZ(52.1378, 46.9580,  
63.4426)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D3AACC
RGB	211, 170, 204
RGB Percent	83%, 67%, 80%
CMY	0.1725, 0.3333, 0.2000
CMYK	0.00, 0.19, 0.03, 0.17
HSL	310°, 32%, 75%
HSV	310°, 19%, 83%
XYZ	52.1378, 46.9580, 63.4426
YIQ	186.1350, 13.5220, 19.2660

# Conversions

## Conversions Part 2

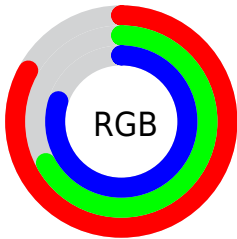
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	211, 170, 204
Decimal	13871820
CIE <sub>Lab</sub>	74.16, 20.67, -11.59
CIE <sub>LCh</sub>	74, 23.696, 330.709
Yxy	46.9580, 0.3208, 0.2889
Android (android.graphics.Color)	4292061900 (0xFFD3AACC)
YUV	186.1350, 8.8074, 21.8066
Hunter-Lab	68.5259, 15.8910, -6.9237

# Details

The XYZ color **52.1378, 46.9580, 63.4426** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.8095, 58.3103, 50.3328**, and the grayscale version is **46.6958, 49.1277, 53.5000**.

A 20% lighter version of the original color is **86.2152, 82.3304, 105.9551**, and **25.6938, 22.2268, 31.7902** is the 20% darker color. If you saturate the color by 10%, you get **48.0687, 39.5026, 59.9792**, and if you desaturate by 10%, it is **56.8545, 55.6911, 67.1723**.

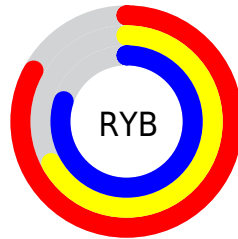
# Distribution



Red (83%)

Green (67%)

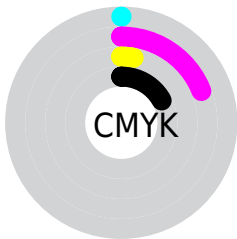
Blue (80%)



Red (83%)

Yellow (67%)

Blue (80%)

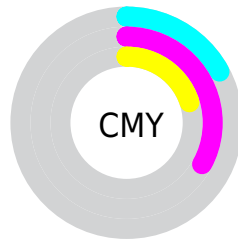


Cyan (0%)

Magenta (19%)

Yellow (3%)

Black (17%)



Cyan (17%)

Magenta (33%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.1378, 46.9580, 63.4426 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 52.1378, 46.9580, 63.4426 by changing the saturation by 10% instead.





 52.1378, 46.9580,  
63.4426


 52.1378, 46.9580,  
63.4426


385.2836,  
374.6469, 455.3261

 37.3396, 33.0025,  
45.7561


 92.5075, 85.6509,  
111.3995

 25.6454, 22.1283,  
31.7061


 118.8097,  
111.1571, 142.5070

 16.6899, 13.9512,  
20.8742


149.6773,  
141.2823, 178.9252

 10.1076, 8.0867,  
12.8417

185.4756,  
176.4108, 221.0727

 5.5331, 4.1505,  
7.1902

226.5701,  
216.9272, 269.3680

 2.6013, 1.7581,  
3.5011

273.3260,

 0.9466, 0.4609,

263.2157, 324.2296

1.3558

326.1087,  
315.6608, 386.0761

■ 0.0000, 0.0000,  
0.1069

■ 0.0000, 0.0000,  
0.0000

■ 52.1378, 46.9580,  
63.4426

■ 52.1378, 46.9580,  
63.4426

■ 48.0687, 39.5026,  
59.9792

■ 56.8545, 55.6911,  
67.1723

■ 44.6127, 33.2584,  
56.7686

■ 62.2430, 65.7522,  
71.1749

■ 41.7384, 28.1618,  
53.8007

■ 68.3310, 77.1964,  
75.4608

■ 39.4101, 24.1414,  
51.0630

■ 75.1439, 90.0739,  
80.0386

37.5878, 21.1176,  
48.5420

75.8112, 90.6438,  
82.6184

36.2262, 18.9997,  
46.2223

76.2995, 90.8391,  
85.1895

35.2716, 17.6804,  
44.0855

76.7981, 91.0386,  
87.8152

34.6328, 16.9774,  
42.1009

77.3072, 91.2422,  
90.4960

34.5995, 16.9431,  
41.9901

77.8268, 91.4500,  
93.2321

# Harmonies

## Analogous

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



48.9326, 46.9580, 73.9814



52.1378, 46.9580, 63.4426



53.3034, 46.9580, 50.8403

# Triad

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



52.1378, 46.9580, 63.4426



44.5312, 46.9580, 31.1323



37.9745, 46.9580, 64.0233

# Complementary

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



52.1378, 46.9580, 63.4426



47.8095, 58.3103, 50.3328

# 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.



36.9563, 46.9580, 51.4193



52.1378, 46.9580, 63.4426



40.5914, 46.9580, 33.5463

# Square

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



52.1378, 46.9580, 63.4426



48.7467, 46.9580, 33.3282



37.8838, 46.9580, 40.5221



40.7560, 46.9580, 74.3523



# Rectangle

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



52.1378, 46.9580, 63.4426



52.7125, 46.9580, 43.2987



37.8838, 46.9580, 40.5221



37.4229, 46.9580, 59.8512

# Sweetspot

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



52.1392, 46.9601, 63.4436



89.9440, 90.4566, 105.1371



44.2282, 42.7826, 67.5556



19.1378, 19.1490, 22.4180



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.



52.1392, 46.9601, 63.4436



77.5382, 67.4896, 95.3147



49.8572, 46.0473, 51.4267



12.2205, 11.9729, 14.4371



20.9138, 10.2384, 25.5161



1.1928, 0.5818, 1.5502



# Inverse Universe

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



52.1392, 46.9601, 63.4436



77.5382, 67.4896, 95.3147



49.9898, 59.1824, 61.8139



12.2205, 11.9729, 14.4371



20.9138, 10.2384, 25.5161

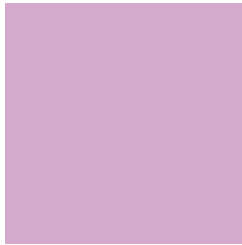


1.1928, 0.5818, 1.5502



# Previews

## White Background



This preview shows how the XYZ color 52.1378, 46.9580, 63.4426 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

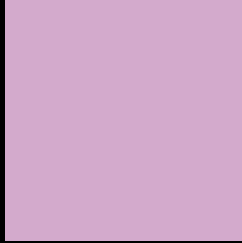
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.1378, 46.9580, 63.4426 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

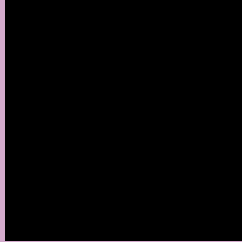
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.1378, 46.9580, 63.4426**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.1378, 46.9580, 63.4426.



This preview shows how white text looks on a background with the XYZ color 52.1378, 46.9580,



# 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

52.1378, 46.9580, 63.4426

### Protanopia

46.4132, 47.0980, 68.2726

### Deuteranopia

48.1857, 47.2290, 63.0763



## Tritanopia

50.2077, 47.0303, 53.4452

# Trichromacy



## Original Color

52.1378, 46.9580, 63.4426

## Protanomaly

48.0936, 46.8172, 66.1763

## Deuteranomaly

49.3982, 46.9775, 62.9639

## Tritanomaly

50.9565, 47.0569, 56.8493

# Monochromacy



## Original Color

52.1378, 46.9580, 63.4426

## Achromatopsia

46.6715, 49.1021, 53.4722

## Achromatomaly

48.4526, 48.0949, 57.1816

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.1378, 46.9580, 63.4426 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(211, 170, 204)` looks like.

```
.text, #text, p{  
    color:rgb(211, 170, 204)  
}
```

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(211, 170, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 170, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 52.1378, 46.9580, 63.4426 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(211, 170, 204) }
```



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

```
.border{ border-color:rgb(211, 170, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 170, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 170, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 170, 204);  
box-shadow:4px 4px 4px 4px rgb(211, 170,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.1378, 46.9580, 63.4426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 170, 204) }
```

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

```
.background{ background-color: rgb(211,  
170, 204) }
```

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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