

# Converting Colors

XYZ(47.7575, 43.0027, 56.7093)

Have a look what the booklet for  
XYZ(47.7575, 43.0027, 56.7093)  
contains.

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# Color

**XYZ(47.7366, 42.9268,  
56.8086)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCA3C2
RGB	204, 163, 194
RGB Percent	80%, 64%, 76%
CMY	0.2000, 0.3608, 0.2392
CMYK	0.00, 0.20, 0.05, 0.20
HSL	315°, 29%, 72%
HSV	315°, 20%, 80%
XYZ	47.7366, 42.9268, 56.8086
YIQ	178.7930, 14.4850, 18.3330

# Conversions

## Conversions Part 2

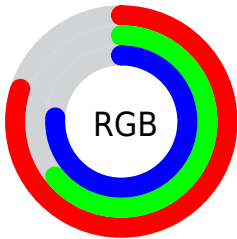
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 163, 194
Decimal	13411266
CIE <sub>Lab</sub>	71.51, 20.26, -10.14
CIE <sub>LCh</sub>	72, 22.659, 333.424
Yxy	42.9268, 0.3237, 0.2911
Android (android.graphics.Color)	4291601346 (0xFFCCA3C2)
YUV	178.7930, 7.4971, 22.1065
Hunter-Lab	65.5185, 15.3971, -5.5451

# Details

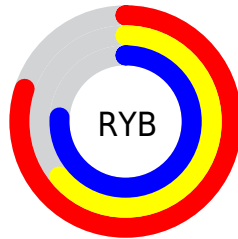
The XYZ color **47.7366, 42.9268, 56.8086** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.2416, 53.9906, 47.6271**, and the grayscale version is **42.6946, 44.9180, 48.9157**.

A 20% lighter version of the original color is **83.7240, 78.3678, 101.9806**, and **22.8125, 19.6519, 27.4018** is the 20% darker color. If you saturate the color by 10%, you get **43.8533, 36.0392, 52.8032**, and if you desaturate by 10%, it is **52.2254, 50.9942, 61.1092**.

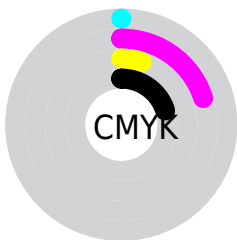
# Distribution



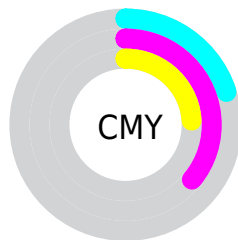
- Red (80%)
- Green (64%)
- Blue (76%)



- Red (80%)
- Yellow (64%)
- Blue (76%)



- Cyan (0%)
- Magenta (20%)
- Yellow (5%)
- Black (20%)




- Cyan (20%)
- Magenta (36%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7366, 42.9268, 56.8086 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 47.7366, 42.9268, 56.8086 by changing the saturation by 10% instead.





 47.7366, 42.9268,  
56.8086


 47.7366, 42.9268,  
56.8086


368.3471,  
358.3106, 430.2054

 33.8287, 29.8277,  
40.4433


 86.0242, 79.6004,  
101.6834

 22.9243, 19.7078,  
27.5679


 111.1346,  
103.9436, 131.0300

 14.6580, 12.1828,  
17.7640


140.7099,  
132.8038, 165.5407

 8.6645, 6.8683,  
10.6130

175.1154,  
166.5651, 205.6341

 4.5783, 3.3799,  
5.6964

214.7165,  
205.6120, 251.7287

 2.0342, 1.3331,  
2.5956

259.8786,

 0.6531, 0.1666,

250.3290, 304.2431

0.8902

310.9670,  
301.1004, 363.5958

■ 0.0000, 0.0000,  
0.0000

■ 47.7366, 42.9268,  
56.8086

■ 47.7366, 42.9268,  
56.8086

■ 43.8533, 36.0392,  
52.8032

■ 52.2254, 50.9942,  
61.1092

■ 40.5436, 30.2696,  
49.0799

■ 57.3421, 60.2880,  
65.7118

■ 37.7783, 25.5595,  
45.6287

■ 63.1128, 70.8591,  
70.6265

■ 35.5241, 21.8424,  
42.4375

■ 69.5607, 82.7539,  
75.8619

■ 33.7438, 19.0446,  
39.4929

■ 73.4327, 89.4657,  
80.3344

■ 32.3953, 17.0817,  
36.7800

■ 74.0973, 89.7316,  
83.8344

■ 31.4285, 15.8541,  
34.2812

■ 74.7817, 90.0054,  
87.4384

■ 30.7549, 15.1786,  
31.9855

■ 75.4861, 90.2871,  
91.1473

■ 76.2105, 90.5769,  
94.9620

# Harmonies

## Analogous

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



44.9866, 42.9268, 66.6114



47.7366, 42.9268, 56.8086



48.5897, 42.9268, 45.4934

# Triad

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



47.7366, 42.9268, 56.8086



40.3630, 42.9268, 28.7125



34.9661, 42.9268, 59.3262

# Complementary

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



47.7366, 42.9268, 56.8086



44.2416, 53.9906, 47.6271

# 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.



33.8919, 42.9268, 48.0092



47.7366, 42.9268, 56.8086



36.8828, 42.9268, 31.2749

# Square

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



47.7366, 42.9268, 56.8086



44.1795, 42.9268, 30.3224



34.5713, 42.9268, 37.9374



37.5986, 42.9268, 68.2171



# Rectangle

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



47.7366, 42.9268, 56.8086



47.9266, 42.9268, 38.8581



34.5713, 42.9268, 37.9374



34.4185, 42.9268, 55.6215

# Sweetspot

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



47.7379, 42.9287, 56.8095



89.7667, 90.3856, 104.2034



41.1360, 39.3911, 62.5625



19.0958, 19.1322, 22.1968



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.



47.7379, 42.9287, 56.8095



76.2261, 66.0501, 91.2254



45.6340, 42.0871, 45.7307



11.5660, 11.3551, 13.5153



19.3956, 9.5688, 20.3339



1.0294, 0.5051, 1.2005



# Inverse Universe

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



47.7379, 42.9287, 56.8095



76.2261, 66.0501, 91.2254



46.3316, 54.8266, 58.6329



11.5660, 11.3551, 13.5153



19.3956, 9.5688, 20.3339

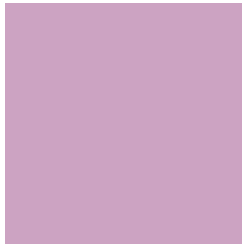


1.0294, 0.5051, 1.2005



# Previews

## White Background



This preview shows how the XYZ color 47.7366, 42.9268, 56.8086 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

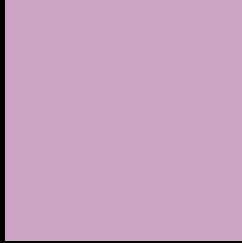
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.7366, 42.9268, 56.8086 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

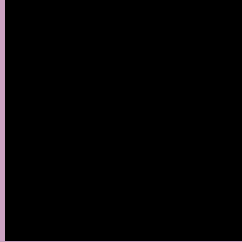
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.7366, 42.9268, 56.8086**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.7366, 42.9268, 56.8086.



This preview shows how white text looks on a background with the XYZ color 47.7366, 42.9268,



# 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

47.7366, 42.9268, 56.8086

### Protanopia

42.4733, 43.1471, 61.3480

### Deuteranopia

43.9557, 43.1664, 56.4673



## Tritanopia

46.1300, 43.0837, 48.5325

# Trichromacy



## Original Color

47.7366, 42.9268, 56.8086

## Protanomaly

44.0962, 42.8939, 59.3813

## Deuteranomaly

45.1141, 42.9319, 56.3610

## Tritanomaly

46.7355, 43.0675, 51.1970

# Monochromacy



## Original Color

47.7366, 42.9268, 56.8086

## Achromatopsia

42.8472, 45.0786, 49.0906

## Achromatomaly

44.3343, 44.0392, 51.5111

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.7366, 42.9268, 56.8086 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(204, 163, 194)` looks like.

```
.text, #text, p{  
    color:rgb(204, 163, 194)  
}
```

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(204, 163, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 163, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 47.7366, 42.9268, 56.8086 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(204, 163, 194) }
```



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

```
.border{ border-color:rgb(204, 163, 194) }
```

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

Here you see how a box with a 4 pixel rgb(204, 163, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 163, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 163, 194);  
box-shadow:4px 4px 4px 4px rgb(204, 163,  
194) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.7366, 42.9268, 56.8086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 163, 194) }
```

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

```
.background{ background-color: rgb(204,  
163, 194) }
```

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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