

# Converting Colors

XYZ(49.9208, 47.9379, 58.2028)

Have a look what the booklet for  
XYZ(49.9208, 47.9379, 58.2028)  
contains.

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# Color

**XYZ(49.9296, 47.9410,  
58.2517)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAB1C3
RGB	202, 177, 195
RGB Percent	79%, 69%, 76%
CMY	0.2078, 0.3059, 0.2353
CMYK	0.00, 0.12, 0.03, 0.21
HSL	317°, 19%, 74%
HSV	317°, 12%, 79%
XYZ	49.9296, 47.9410, 58.2517
YIQ	186.5270, 9.1220, 10.8980

# Conversions

## Conversions Part 2

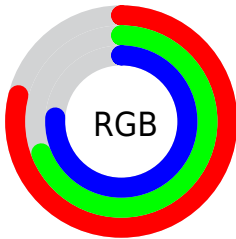
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	202, 177, 195
Decimal	13283779
CIE Lab	74.79, 12.11, -5.83
CIE LCh	75, 13.441, 334.297
Yxy	47.9410, 0.3198, 0.3071
Android (android.graphics.Color)	4291473859 (0xFFCAB1C3)
YUV	186.5270, 4.1772, 13.5698
Hunter-Lab	69.2394, 7.5500, -1.4135

# Details

The XYZ color **49.9296, 47.9410, 58.2517** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.9056, 55.0502, 53.4509**, and the grayscale version is **46.9426, 49.3873, 53.7828**.

A 20% lighter version of the original color is **87.9496, 86.5661, 104.1689**, and **24.2281, 22.6343, 28.2912** is the 20% darker color. If you saturate the color by 10%, you get **45.6041, 40.2937, 53.7141**, and if you desaturate by 10%, it is **54.8727, 56.7833, 63.1158**.

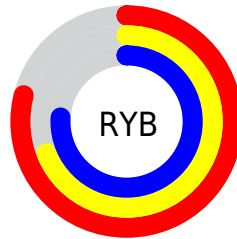
# Distribution



Red (79%)

Green (69%)

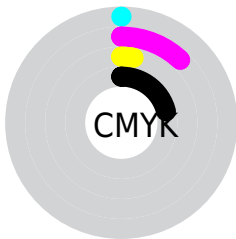
Blue (76%)



Red (79%)

Yellow (69%)

Blue (76%)

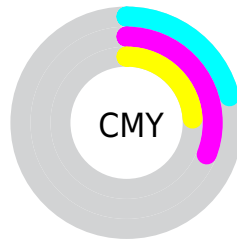


Cyan (0%)

Magenta (12%)

Yellow (3%)

Black (21%)



Cyan (21%)

Magenta (31%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9296, 47.9410, 58.2517 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 49.9296, 47.9410, 58.2517 by changing the saturation by 10% instead.





 49.9296, 47.9410,  
58.2517

 49.9296, 47.9410,  
58.2517


376.8471,  
378.5582, 435.7476

 35.5750, 33.7802,  
41.5950


 89.2630, 87.1166,  
103.8077

 24.2748, 22.7248,  
28.4611


114.9726,  
112.9001, 133.5441

 15.6634, 14.3904,  
18.4315


145.1978,  
143.3266, 168.4774

 9.3756, 8.3927,  
11.0876

180.3041,  
178.7805, 209.0263

 5.0460, 4.3472,  
6.0108

220.6569,  
219.6462, 255.6092

 2.3093, 1.8696,  
2.7828

266.6214,

 0.7994, 0.5300,

266.3082, 308.6447

0.9848

318.5630,  
319.1507, 368.5513

■ 0.0000, 0.0000,  
0.0000

■ 49.9296, 47.9410,  
58.2517

■ 49.9296, 47.9410,  
58.2517

■ 45.6041, 40.2937,  
53.7141

■ 54.8727, 56.7833,  
63.1158

■ 41.8660, 33.7834,  
49.4900

■ 60.4537, 66.8631,  
68.3129

■ 38.6885, 28.3565,  
45.5698

■ 66.6973, 78.2282,  
73.8529

■ 36.0413, 23.9527,  
41.9419

■ 72.7238, 89.1193,  
79.4440

■ 33.8911, 20.5057,  
38.5938

■ 73.4753, 89.4199,  
83.4013

■ 32.2004, 17.9414,  
35.5118

■ 74.2523, 89.7307,  
87.4929

■ 30.9267, 16.1748,  
32.6801

■ 75.0550, 90.0517,  
91.7200

■ 30.0186, 15.1037,  
30.0802

■ 75.8837, 90.3832,  
96.0840

■ 29.5017, 14.6144,  
28.2291

■ 76.7387, 90.7252,  
100.5861

# Harmonies

## Analogous

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



48.2638, 47.9410, 64.1155



49.9296, 47.9410, 58.2517



50.4109, 47.9410, 51.1985

# Triad

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



49.9296, 47.9410, 58.2517



45.2156, 47.9410, 39.9056



41.7965, 47.9410, 60.1495

# Complementary

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



49.9296, 47.9410, 58.2517



47.9056, 55.0502, 53.4509

# 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.



41.0428, 47.9410, 53.2136



49.9296, 47.9410, 58.2517



42.9716, 47.9410, 41.8598

# Square

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



49.9296, 47.9410, 58.2517



47.6334, 47.9410, 40.9962



41.4653, 47.9410, 46.5819



43.5602, 47.9410, 65.2781



# Rectangle

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



49.9296, 47.9410, 58.2517



49.9814, 47.9410, 46.8597



41.4653, 47.9410, 46.5819



41.4195, 47.9410, 57.9305

# Sweetspot

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



49.9310, 47.9431, 58.2527



91.4254, 93.4812, 105.4398



46.0722, 45.8602, 62.3015



19.4271, 19.7547, 22.4314



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.



49.9310, 47.9431, 58.2527



82.3614, 77.3061, 96.3984



48.6108, 47.4150, 51.3010



11.5483, 11.3481, 13.4221



19.0233, 9.4199, 18.3734



1.0127, 0.4985, 1.1127



# Inverse Universe

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



49.9310, 47.9431, 58.2527



82.3614, 77.3061, 96.3984



49.2364, 55.5825, 60.4587



11.5483, 11.3481, 13.4221



19.0233, 9.4199, 18.3734



1.0127, 0.4985, 1.1127



# Previews

## White Background



This preview shows how the XYZ color 49.9296, 47.9410, 58.2517 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

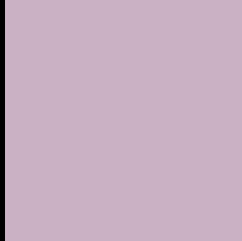
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.9296, 47.9410, 58.2517 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

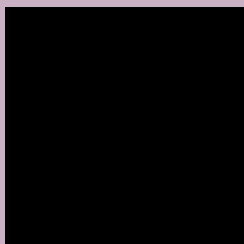
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 49.9296, 47.9410, 58.2517**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.9296, 47.9410, 58.2517.



This preview shows how white text looks on a background with the XYZ color 49.9296, 47.9410,



# 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

49.9296, 47.9410, 58.2517

### Protanopia

46.7707, 48.0578, 60.8438

### Deuteranopia

48.9964, 48.0506, 58.3221



## Tritanopia

49.6815, 48.1589, 55.9673

# Trichromacy



## Original Color

49.9296, 47.9410, 58.2517

## Protanomaly

47.9521, 48.0721, 60.1776

## Deuteranomaly

49.3239, 47.9230, 58.2802

## Tritanomaly

49.7919, 48.2031, 56.5490

# Monochromacy



## Original Color

49.9296, 47.9410, 58.2517

## Achromatopsia

47.2335, 49.6933, 54.1160

## Achromatomaly

47.9660, 48.7911, 55.6048

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.9296, 47.9410, 58.2517 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(202, 177, 195)  
}
```

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, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 177, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 49.9296, 47.9410, 58.2517 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, 195) }
```



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

```
.border{ border-color:rgb(202, 177, 195) }
```

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, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 177, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 177, 195);  
box-shadow:4px 4px 4px 4px rgb(202, 177,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.9296, 47.9410, 58.2517 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, 195) }
```

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

```
.background{ background-color: rgb(202,  
177, 195) }
```

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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