

# Converting Colors

XYZ(50.8686, 45.8102, 50.8704)

Have a look what the booklet for  
XYZ(50.8686, 45.8102, 50.8704)  
contains.

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# Color

**XYZ(50.9812, 45.8080,  
50.9546)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9A7B7
RGB	217, 167, 183
RGB Percent	85%, 65%, 72%
CMY	0.1490, 0.3451, 0.2823
CMYK	0.00, 0.23, 0.16, 0.15
HSL	341°, 40%, 75%
HSV	341°, 23%, 85%
XYZ	50.9812, 45.8080, 50.9546
YIQ	183.7740, 24.6640, 15.5760

# Conversions

## Conversions Part 2

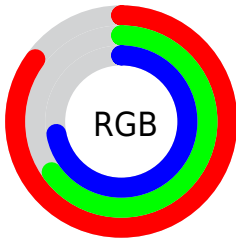
Format	Color
R <sub>Y</sub> B	217, 167, 183
Decimal	14264247
CIE Lab	73.42, 20.82, -1.10
CIE LCh	73, 20.845, 356.969
Yxy	45.8080, 0.3451, 0.3101
Android (android.graphics.Color)	4292454327 (0xFFD9A7B7)
YUV	183.7740, -0.3816, 29.1392
Hunter-Lab	67.6816, 16.0124, 2.7402

# Details

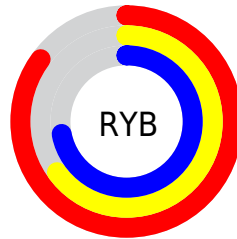
The XYZ color **50.9812, 45.8080, 50.9546** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **51.2936, 62.0594, 64.5364**, and the grayscale version is **45.4288, 47.7947, 52.0484**.

A 20% lighter version of the original color is **82.9413, 79.7345, 92.6802**, and **24.8579, 21.4502, 23.9492** is the 20% darker color. If you saturate the color by 10%, you get **45.8782, 37.9322, 42.0687**, and if you desaturate by 10%, it is **56.9149, 55.0864, 60.9130**.

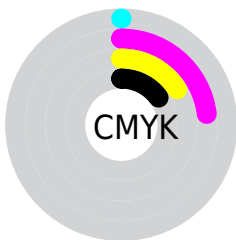
# Distribution



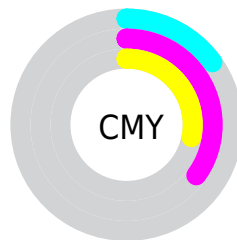
- Red (85%)
- Green (65%)
- Blue (72%)



- Red (85%)
- Yellow (65%)
- Blue (72%)



- Cyan (0%)
- Magenta (23%)
- Yellow (16%)
- Black (15%)



- Cyan (15%)
- Magenta (35%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9812, 45.8080, 50.9546 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 50.9812, 45.8080, 50.9546 by changing the saturation by 10% instead.





 50.9812, 45.8080,  
50.9546


 50.9812, 45.8080,  
50.9546


380.8796,  
370.0362, 407.2289

 36.4146, 32.0943,  
35.7960


 90.8101, 83.9316,  
92.9985

 24.9262, 21.4336,  
23.9882


 116.8032,  
109.1103, 120.7208

 16.1505, 13.4413,  
15.1128


147.3358,  
138.8795, 153.4682

 9.7222, 7.7331,  
8.7511

182.7734,  
173.6235, 191.6591

 5.2760, 3.9247,  
4.4846

223.4812,  
213.7268, 235.7121

 2.4465, 1.6315,  
1.8948

269.8245,

 0.8684, 0.3787,

259.5738, 286.0457

0.4894

322.1689,  
311.5488, 343.0784

■ 0.0000, 0.0000,  
0.0000

■ 50.9812, 45.8080,  
50.9546

■ 50.9812, 45.8080,  
50.9546

■ 45.8782, 37.9322,  
42.0687

■ 56.9149, 55.0864,  
60.9130

■ 41.5638, 31.3843,  
34.2154

■ 63.7111, 65.8249,  
71.9764

■ 37.9980, 26.0921,  
27.3563

■ 71.4045, 78.0855,  
84.1791

■ 35.1355, 21.9737,  
21.4492

■ 80.0270, 91.9246,  
97.5532

■ 32.9260, 18.9379,  
16.4489

■ 82.4255, 93.4918,  
108.3092

■ 31.3120, 16.8792,  
12.3055

■ 30.2247, 15.6712,  
8.9635

■ 29.7030, 15.1868,  
7.0662

# Harmonies

## Analogous

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



49.7341, 45.8080, 61.7377



50.9812, 45.8080, 50.9546



50.1434, 45.8080, 41.2533

# Triad

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



50.9812, 45.8080, 50.9546



40.4134, 45.8080, 33.9316



39.8009, 45.8080, 68.8336

# Complementary

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



50.9812, 45.8080, 50.9546



51.2936, 62.0594, 64.5364

# 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.



37.5418, 45.8080, 59.6261



50.9812, 45.8080, 50.9546



37.8812, 45.8080, 39.6420

# Square

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



50.9812, 45.8080, 50.9546



43.9137, 45.8080, 32.2793



36.8590, 45.8080, 48.8149



43.1667, 45.8080, 72.9304



# Rectangle

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



50.9812, 45.8080, 50.9546



48.5398, 45.8080, 36.5020



36.8590, 45.8080, 48.8149



38.8943, 45.8080, 66.1755

# Sweetspot

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



50.9825, 45.8101, 50.9556



87.7243, 88.3779, 97.1192



50.2533, 44.9747, 71.6784



18.6478, 18.7129, 20.5782



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.



50.9825, 45.8101, 50.9556



69.4922, 59.8529, 66.5661



50.9868, 48.3336, 43.2037



13.2269, 13.1198, 14.4559



18.0233, 9.2104, 4.5028



1.2062, 0.6121, 0.4949



# Inverse Universe

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



50.9825, 45.8101, 50.9556



69.4922, 59.8529, 66.5661



51.1810, 58.6641, 74.2719



13.2269, 13.1198, 14.4559



18.0233, 9.2104, 4.5028



1.2062, 0.6121, 0.4949



# Previews

## White Background



This preview shows how the XYZ color 50.9812, 45.8080, 50.9546 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

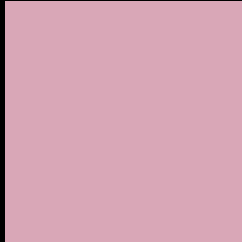
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.9812, 45.8080, 50.9546 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

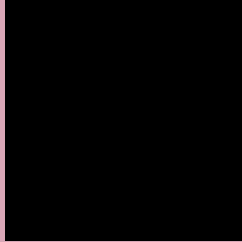
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 50.9812, 45.8080, 50.9546

## Background



This preview shows how black text looks on a background with the XYZ color 50.9812, 45.8080, 50.9546.



This preview shows how white text looks on a background with the XYZ color 50.9812, 45.8080,



# 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

50.9812, 45.8080, 50.9546

### Protanopia

44.6716, 46.1840, 55.2752

### Deuteranopia

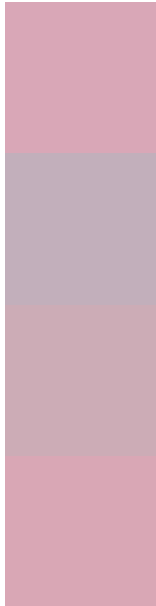
46.7994, 45.9077, 50.6504



## Tritanopia

50.6722, 45.6844, 49.3273

# Trichromacy



## Original Color

50.9812, 45.8080, 50.9546

## Protanomaly

46.5477, 45.7171, 53.3847

## Deuteranomaly

48.0979, 45.7198, 50.5457

## Tritanomaly

50.7745, 45.7253, 49.8658

# Monochromacy



## Original Color

50.9812, 45.8080, 50.9546

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

47.3371, 47.0372, 51.9316

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.9812, 45.8080, 50.9546 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(217, 167, 183)` looks like.

```
.text, #text, p{  
    color:rgb(217, 167, 183)  
}
```

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(217, 167, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 167, 183) }
```

## Border

The CSS property to change the border of an element to XYZ 50.9812, 45.8080, 50.9546 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(217, 167, 183) }
```



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

```
.border{ border-color:rgb(217, 167, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 167, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 167, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 167, 183);  
box-shadow:4px 4px 4px 4px rgb(217, 167,  
183) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.9812, 45.8080, 50.9546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 167, 183) }
```

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

```
.background{ background-color: rgb(217,  
167, 183) }
```

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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