

# Converting Colors

XYZ(45.5840, 45.4824, 41.4984)

Have a look what the booklet for  
XYZ(45.5840, 45.4824, 41.4984)  
contains.

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# Color

**XYZ(45.5840, 45.4824,  
41.4984)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7AFA4
RGB	199, 175, 164
RGB Percent	78%, 69%, 64%
CMY	0.2196, 0.3137, 0.3569
CMYK	0.00, 0.12, 0.18, 0.22
HSL	19°, 24%, 71%
HSV	19°, 18%, 78%
XYZ	45.5840, 45.4824, 41.4984
YIQ	180.9220, 17.8350, 1.6670

# Conversions

## Conversions Part 2

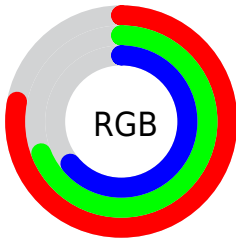
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 180, 164
Decimal	13086628
CIE Lab	73.21, 6.86, 8.80
CIE LCh	73, 11.157, 52.076
Yxy	45.4824, 0.3439, 0.3431
Android (android.graphics.Color)	4291276708 (0xFFC7AFA4)
YUV	180.9220, -8.3425, 15.8544
Hunter-Lab	67.4406, 2.6293, 10.7254

# Details

The XYZ color **45.5840, 45.4824, 41.4984** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **43.6016, 47.9814, 60.9965**, and the grayscale version is **43.9168, 46.2039, 50.3160**.

A 20% lighter version of the original color is **82.6021, 83.5263, 78.7864**, and **21.6846, 21.3555, 18.3084** is the 20% darker color. If you saturate the color by 10%, you get **41.4032, 39.7751, 31.9213**, and if you desaturate by 10%, it is **50.3168, 51.8429, 52.6479**.

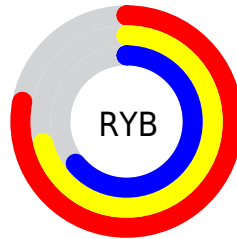
# Distribution



Red (78%)

Green (69%)

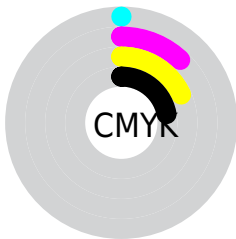
Blue (64%)



Red (78%)

Yellow (71%)

Blue (64%)

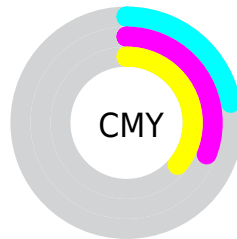


Cyan (0%)

Magenta (12%)

Yellow (18%)

Black (22%)



Cyan (22%)

Magenta (31%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5840, 45.4824, 41.4984 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 45.5840, 45.4824, 41.4984 by changing the saturation by 10% instead.





 45.5840, 45.4824,  
41.4984


 45.5840, 45.4824,  
41.4984

359.8777,  
368.7238, 368.1375

 32.1209, 31.8376,  
28.3861

 82.8278, 83.4438,  
78.7018

 21.6099, 21.2375,  
18.3753


 107.3391,  
108.5292, 103.6299

 13.6855, 13.2977,  
11.0476


136.2640,  
138.1969, 133.3338

 7.9825, 7.6339,  
5.9843

169.9676,  
172.8313, 168.2319

 4.1355, 3.8616,  
2.7669

208.8155,  
212.8168, 208.7428

 1.7791, 1.5964,  
0.9769

253.1729,

 0.5050, 0.3552,

258.5378, 255.2850

0.0000

303.4052,  
310.3786, 308.2771

0.0000, 0.0000,  
0.0000

45.5840, 45.4824,  
41.4984

45.5840, 45.4824,  
41.4984

41.4032, 39.7751,  
31.9213

50.3168, 51.8429,  
52.6479

37.7499, 34.6939,  
23.8425

55.6177, 58.8706,  
65.4337

34.6027, 30.2185,  
17.1860

61.5068, 66.5866,  
79.9197

31.9377, 26.3254,  
11.8681

68.0019, 75.0094,  
96.1653

29.7286, 22.9891,  
7.7961

73.7207, 83.5968,  
106.8580

■ 27.9463, 20.1825,  
4.8652

■ 77.3633, 90.8822,  
108.0723

■ 26.5578, 17.8755,  
2.9534

■ 25.5195, 16.0324,  
1.8874

■ 25.3068, 15.6492,  
1.6868

# Harmonies

## Analogous

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



46.8115, 45.4824, 45.5815



45.5840, 45.4824, 41.4984



43.7505, 45.4824, 39.5968

# Triad

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



45.5840, 45.4824, 41.4984



39.6086, 45.4824, 48.0517



44.6595, 45.4824, 60.1961

# Complementary

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



45.5840, 45.4824, 41.4984



43.6016, 47.9814, 60.9965

# 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.



42.7130, 45.4824, 60.9822



45.5840, 45.4824, 41.4984



39.8354, 45.4824, 53.6845

# Square

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



45.5840, 45.4824, 41.4984



40.3286, 45.4824, 43.1897



40.9578, 45.4824, 58.5197



46.2666, 45.4824, 56.4461



# Rectangle

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



45.5840, 45.4824, 41.4984



42.4471, 45.4824, 39.7138



40.9578, 45.4824, 58.5197



44.0217, 45.4824, 60.8266

# Sweetspot

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



45.5852, 45.4844, 41.4994



90.3391, 93.7548, 97.5365



45.9602, 42.3461, 53.6117



19.1990, 19.8847, 20.5478



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.



45.5852, 45.4844, 41.4994



76.9812, 75.7895, 66.1078



49.1041, 52.5222, 42.6723



10.9014, 11.1720, 11.1446



16.3426, 10.2024, 1.1079



0.8394, 0.6142, 0.0743

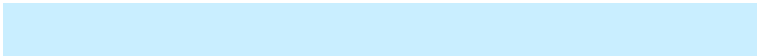


# Inverse Universe

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



43.6016, 47.9814, 60.9965



72.8809, 80.9447, 106.3904



40.1821, 41.1425, 59.8567



10.6546, 11.4833, 13.5724



12.4109, 14.2157, 36.8341



0.6504, 0.7986, 1.7650



# Previews

## White Background



This preview shows how the XYZ color 45.5840, 45.4824, 41.4984 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

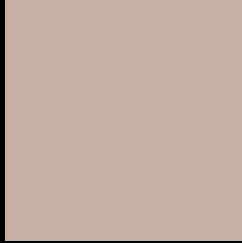
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.5840, 45.4824, 41.4984 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

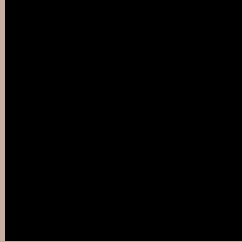
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 45.5840, 45.4824, 41.4984

## Background



This preview shows how black text looks on a background with the XYZ color 45.5840, 45.4824, 41.4984.



This preview shows how white text looks on a background with the XYZ color 45.5840, 45.4824,

41.4984.

# 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

45.5840, 45.4824, 41.4984

### Protanopia

43.2527, 45.4325, 42.5661

### Deuteranopia

46.2730, 45.2640, 41.4199



## Tritanopia

47.8666, 45.5644, 52.1709

# Trichromacy



## Original Color

45.5840, 45.4824, 41.4984

## Protanomaly

44.1978, 45.6338, 42.0760

## Deuteranomaly

46.1940, 45.5090, 41.4714

## Tritanomaly

46.9668, 45.4790, 47.8979

# Monochromacy



## Original Color

45.5840, 45.4824, 41.4984

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

44.5970, 46.0267, 47.0910

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.5840, 45.4824, 41.4984 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(199, 175, 164)` looks like.

```
.text, #text, p{  
    color:rgb(199, 175, 164)  
}
```

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(199, 175, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 175, 164) }
```

## Border

The CSS property to change the border of an element to XYZ 45.5840, 45.4824, 41.4984 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(199, 175, 164) }
```



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

```
.border{ border-color:rgb(199, 175, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 175, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 175, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 175, 164);  
box-shadow:4px 4px 4px 4px rgb(199, 175,  
164) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.5840, 45.4824, 41.4984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 175, 164) }
```

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

```
.background{ background-color: rgb(199,  
175, 164) }
```

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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