

# Converting Colors

XYZ(47.6650, 43.6138, 33.1666)

Have a look what the booklet for  
XYZ(47.6650, 43.6138, 33.1666)  
contains.

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# Color

**XYZ(47.6772, 43.6863,  
33.1136)**

# Conversions

## Conversions Part 1

| Format      | Color                     |
|-------------|---------------------------|
| Hex         | DBA492                    |
| RGB         | 219, 164, 146             |
| RGB Percent | 86%, 64%, 57%             |
| CMY         | 0.1412, 0.3568, 0.4274    |
| CMYK        | 0.00, 0.25, 0.33, 0.14    |
| HSL         | 15°, 50%, 72%             |
| HSV         | 15°, 33%, 86%             |
| XYZ         | 47.6772, 43.6863, 33.1136 |
| YIQ         | 178.3930, 38.5580, 6.0620 |

# Conversions

## Conversions Part 2

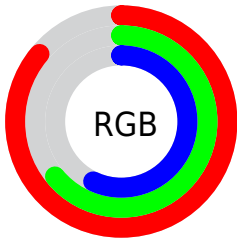
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 219, 170, 146                  |
| Decimal                             | 14394514                       |
| CIE Lab                             | 72.02, 17.89, 17.26            |
| CIE LCh                             | 72, 24.857, 43.974             |
| Yxy                                 | 43.6863, 0.3830,<br>0.3510     |
| Android<br>(android.graphics.Color) | 4292584594<br>(0xFFDBA492)     |
| YUV                                 | 178.3930, -15.9697,<br>35.6123 |
| Hunter-Lab                          | 66.0956, 13.0913,<br>16.5629   |

# Details

The XYZ color **47.6772, 43.6863, 33.1136** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.5262, 52.9971, 74.8479**, and the grayscale version is **42.5938, 44.8120, 48.8002**.

A 20% lighter version of the original color is **76.9968, 76.0932, 65.2729**, and **22.9640, 20.2011, 13.5153** is the 20% darker color. If you saturate the color by 10%, you get **43.3707, 37.5433, 24.0631**, and if you desaturate by 10%, it is **52.6954, 50.7301, 44.0122**.

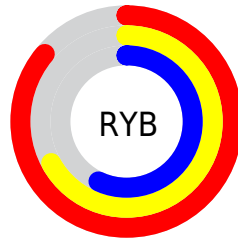
# Distribution



Red (86%)

Green (64%)

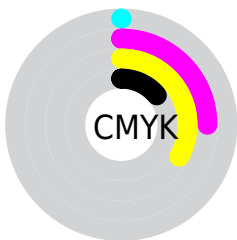
Blue (57%)



Red (86%)

Yellow (67%)

Blue (57%)

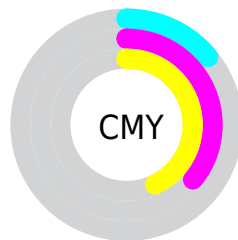


Cyan (0%)

Magenta (25%)

Yellow (33%)

Black (14%)



Cyan (14%)

Magenta (36%)

Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6772, 43.6863, 33.1136 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 47.6772, 43.6863, 33.1136 by changing the saturation by 10% instead.





 47.6772, 43.6863,  
33.1136


 47.6772, 43.6863,  
33.1136


368.1151,  
361.4266, 330.8090

 33.7815, 30.4240,  
21.9417


 85.9362, 80.7455,  
65.6709

 22.8879, 20.1606,  
13.6161


 111.0302,  
105.3111, 87.8933

 14.6310, 12.5118,  
7.7185


140.5877,  
134.4134, 114.6363

 8.6454, 7.0933,  
3.8302

174.9741,  
168.4365, 146.3185

 4.5659, 3.5205,  
1.5326

214.5547,  
207.7650, 183.3583

 2.0270, 1.4091,  
0.2421

259.6948,

 0.6491, 0.2234,

252.7833, 226.1743

0.0000

310.7598,  
303.8757, 275.1850

0.0000, 0.0000,  
0.0000

47.6772, 43.6863,  
33.1136

47.6772, 43.6863,  
33.1136

43.3707, 37.5433,  
24.0631

52.6954, 50.7301,  
44.0122

39.7391, 32.2582,  
16.7548

58.4530, 58.7029,  
56.8515

36.7475, 27.7936,  
11.0758

64.9801, 67.6397,  
71.7210

34.3561, 24.1071,  
6.8991

72.3044, 77.5715,  
88.7040

32.5203, 21.1518,  
4.0782

80.3712, 88.4956,  
107.4531

■ 31.1879, 18.8756,  
2.4367

■ 83.0235, 93.8001,  
108.3372

■ 30.5333, 17.6997,  
1.8071

# Harmonies

## Analogous

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



49.9566, 43.6863, 42.1429



47.6772, 43.6863, 33.1136



43.8167, 43.6863, 28.4528

# Triad

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



47.6772, 43.6863, 33.1136



34.1619, 43.6863, 41.4015



43.5247, 43.6863, 74.0451

# Complementary

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



47.6772, 43.6863, 33.1136



45.5262, 52.9971, 74.8479

# 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.



39.3099, 43.6863, 73.7545



47.6772, 43.6863, 33.1136



34.0955, 43.6863, 53.4375

# Square

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



47.6772, 43.6863, 33.1136



36.1097, 43.6863, 32.6509



35.9217, 43.6863, 65.7117



47.4509, 43.6863, 66.4486



# Rectangle

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



47.6772, 43.6863, 33.1136



40.9595, 43.6863, 27.8521



35.9217, 43.6863, 65.7117



42.0907, 43.6863, 74.9020

# Sweetspot

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



47.6783, 43.6884, 33.1145



85.3876, 86.8147, 86.7518



50.1494, 39.8810, 60.9114



18.0052, 18.2095, 17.9535



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.



47.6783, 43.6884, 33.1145



62.9414, 55.4632, 37.5251



54.9484, 58.2284, 35.5378



13.3156, 13.5706, 13.6432



18.1776, 10.6407, 1.0958



1.2456, 0.8253, 0.0936

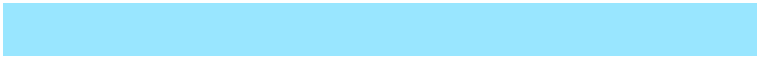


# Inverse Universe

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



45.5262, 52.9971, 74.8479



59.4400, 70.4987, 105.0825



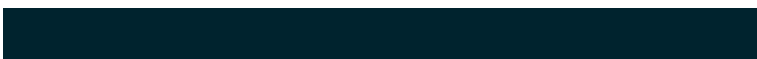
38.1802, 38.3049, 72.3992



13.1587, 14.2572, 16.7105



15.6487, 19.1669, 42.6132



1.0799, 1.3739, 2.7827



# Previews

## White Background



This preview shows how the XYZ color 47.6772, 43.6863, 33.1136 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 47.6772, 43.6863, 33.1136 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

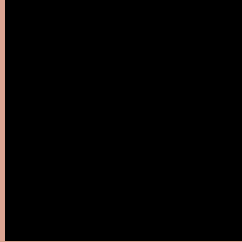
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.6772, 43.6863, 33.1136**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.6772, 43.6863, 33.1136.



This preview shows how white text looks on a background with the XYZ color 47.6772, 43.6863,



# 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

47.6772, 43.6863, 33.1136

### Protanopia

41.4425, 43.7568, 35.9674

### Deuteranopia

44.6624, 43.7729, 32.8831



## Tritanopia

50.1414, 43.6498, 44.8122

# Trichromacy



## Original Color

47.6772, 43.6863, 33.1136

## Protanomaly

43.5462, 43.7128, 34.9964

## Deuteranomaly

45.6918, 43.7512, 32.8247

## Tritanomaly

49.1745, 43.5062, 40.4561

# Monochromacy



## Original Color

47.6772, 43.6863, 33.1136

## Achromatopsia

42.3164, 44.5201, 48.4824

## Achromatomaly

43.8188, 43.9778, 42.2555

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.6772, 43.6863, 33.1136 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(219, 164, 146)` looks like.

```
.text, #text, p{  
    color:rgb(219, 164, 146)  
}
```

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(219, 164, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 164, 146) }
```

## Border

The CSS property to change the border of an element to XYZ 47.6772, 43.6863, 33.1136 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(219, 164, 146) }
```



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

```
.border{ border-color:rgb(219, 164, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 164, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 164, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 164, 146);  
box-shadow:4px 4px 4px 4px rgb(219, 164,  
146) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.6772, 43.6863, 33.1136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 164, 146) }
```

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

```
.background{ background-color: rgb(219,  
164, 146) }
```

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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