

Converting Colors

XYZ(49.8276, 50.2792, 32.6367)

Have a look what the booklet for
XYZ(49.8276, 50.2792, 32.6367)
contains.

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Color

**XYZ(49.8403, 50.2670,
32.6668)**

Conversions

Conversions Part 1

Format	Color
Hex	D7B78E
RGB	215, 183, 142
RGB Percent	84%, 72%, 56%
CMY	0.1569, 0.2823, 0.4431
CMYK	0.00, 0.15, 0.34, 0.16
HSL	34°, 48%, 70%
HSV	34°, 34%, 84%
XYZ	49.8403, 50.2670, 32.6668
YIQ	187.8940, 32.2330, -5.9670

Conversions

Conversions Part 2

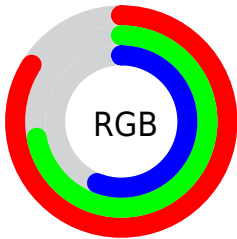
Format	Color
R _Y B	199, 215, 142
Decimal	14137230
CIE Lab	76.23, 5.64, 25.13
CIE LCh	76, 25.758, 77.348
Yxy	50.2670, 0.3754, 0.3786
Android (android.graphics.Color)	4292327310 (0xFFD7B78E)
YUV	187.8940, -22.6257, 23.7720
Hunter-Lab	70.8992, 1.4072, 22.3116

Details

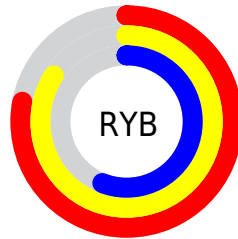
The XYZ color **49.8403, 50.2670, 32.6668** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **38.5567, 40.9279, 70.1578**, and the grayscale version is **47.8524, 50.3445, 54.8251**.

A 20% lighter version of the original color is **82.0703, 86.9785, 64.6875**, and **24.1690, 24.0915, 13.2738** is the 20% darker color. If you saturate the color by 10%, you get **46.5005, 45.9262, 24.3431**, and if you desaturate by 10%, it is **53.6242, 54.9973, 42.6757**.

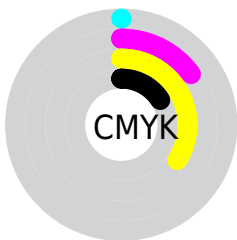
Distribution



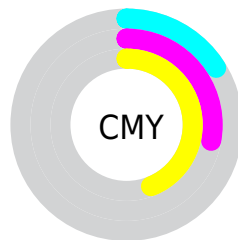
- Red (84%)
- Green (72%)
- Blue (56%)



- Red (78%)
- Yellow (84%)
- Blue (56%)



- Cyan (0%)
- Magenta (15%)
- Yellow (34%)
- Black (16%)





- Cyan (16%)
- Magenta (28%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8403, 50.2670, 32.6668 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 49.8403, 50.2670, 32.6668 by changing the saturation by 10% instead.


 49.8403, 50.2670,
32.6668


 49.8403, 50.2670,
32.6668


376.5034,
387.7092, 328.7315

 35.5038, 35.6256,
21.6023


 89.1315, 90.5704,
64.9650

 24.2195, 24.1452,
13.3694


 114.8168,
117.0011, 87.0357

 15.6222, 15.4413,
7.5497

145.0158,
148.1304, 113.6123

 9.3463, 9.1297,
3.7246

180.0939,
184.3426, 145.1132

 5.0267, 4.8259,
1.4755

220.4163,
226.0223, 181.9571

 2.2978, 2.1455,
0.1996

266.3485,

 0.7936, 0.6900,

273.5536, 224.5624

0.0000

318.2557,
327.3211, 273.3477

■ 0.0000, 0.0000,
0.0000

■ 49.8403, 50.2670,
32.6668

■ 49.8403, 50.2670,
32.6668

■ 46.5005, 45.9262,
24.3431

■ 53.6242, 54.9973,
42.6757

■ 43.5805, 41.9557,
17.6061

■ 57.8673, 60.1216,
54.4545

■ 41.0591, 38.3447,
12.3516


■ 62.5888, 65.6532,
68.0861


■ 38.9114, 35.0789,
8.4616


■ 67.8052, 71.6025,
83.6470


■ 37.1089, 32.1425,
5.7999

■ 73.5324, 77.9795,
101.2093

 35.6176, 29.5172,
4.2010

 77.1008, 83.7199,
106.7037

 34.8335, 28.0653,
3.5812

 79.9404, 89.3991,
107.6502

 81.8344, 93.1871,
108.2815

Harmonies

Analogous

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



54.3497, 50.2670, 37.4087



49.8403, 50.2670, 32.6668



45.0613, 50.2670, 33.0683

Triad

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



49.8403, 50.2670, 32.6668



39.4499, 50.2670, 63.0520



54.9382, 50.2670, 74.8025

Complementary

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



49.8403, 50.2670, 32.6668



38.5567, 40.9279, 70.1578

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.



50.6002, 50.2670, 84.2463



49.8403, 50.2670, 32.6668



41.7573, 50.2670, 76.7166

Square

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



49.8403, 50.2670, 32.6668



39.2768, 50.2670, 49.1112



45.7720, 50.2670, 85.0005



57.4235, 50.2670, 60.7666

Rectangle

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



49.8403, 50.2670, 32.6668



42.3619, 50.2670, 36.1947



45.7720, 50.2670, 85.0005



53.6355, 50.2670, 78.7149

Sweetspot

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



49.8416, 50.2693, 32.6678



87.7504, 91.5403, 87.5394



45.4209, 36.8829, 45.2059



18.5752, 19.3496, 18.1435



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.



49.8416, 50.2693, 32.6678



69.6251, 69.1641, 38.7249



56.1475, 64.4547, 35.0735



12.9961, 13.5665, 13.0943



20.9418, 17.0009, 2.1777



1.3449, 1.1890, 0.1586

Inverse Universe

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



38.5567, 40.9279, 70.1578



50.5124, 53.3502, 102.2431



33.7312, 30.3319, 68.3669



12.1860, 12.8954, 15.7843



9.8445, 7.9508, 39.4689



0.6754, 0.6427, 2.4078

Previews

White Background



This preview shows how the XYZ color 49.8403, 50.2670, 32.6668 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 49.8403, 50.2670, 32.6668 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 49.8403, 50.2670, 32.6668

Background



This preview shows how black text looks on a background with the XYZ color 49.8403, 50.2670, 32.6668.



This preview shows how white text looks on a background with the XYZ color 49.8403, 50.2670,

32.6668.

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

49.8403, 50.2670, 32.6668

Protanopia

47.1047, 50.3976, 33.6306

Deuteranopia

51.0980, 49.9978, 32.9440



Tritanopia

54.3348, 49.9840, 55.4993

Trichromacy



Original Color

49.8403, 50.2670, 32.6668

Protanomaly

47.9704, 50.2228, 33.1523

Deuteranomaly

50.6952, 50.0910, 32.9832

Tritanomaly

52.5764, 50.1628, 46.4465

Monochromacy



Original Color

49.8403, 50.2670, 32.6668

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.1983, 50.0639, 45.6510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8403, 50.2670, 32.6668 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(215, 183, 142)` looks like.

```
.text, #text, p{  
    color:rgb(215, 183, 142)  
}
```

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(215, 183, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 183, 142) }
```

Border

The CSS property to change the border of an element to XYZ 49.8403, 50.2670, 32.6668 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(215, 183, 142) }
```


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

```
.border{ border-color:rgb(215, 183, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 183, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 183, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 183, 142);  
box-shadow:4px 4px 4px 4px rgb(215, 183,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8403, 50.2670, 32.6668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 183, 142) }
```

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

```
.background{ background-color: rgb(215,  
183, 142) }
```

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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