

Converting Colors

XYZ(49.5940, 49.9202, 32.7954)

Have a look what the booklet for
XYZ(49.5940, 49.9202, 32.7954)
contains.

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Color

**XYZ(49.6348, 49.8560,
32.5983)**

Conversions

Conversions Part 1

Format	Color
Hex	D7B68E
RGB	215, 182, 142
RGB Percent	84%, 71%, 56%
CMY	0.1569, 0.2863, 0.4431
CMYK	0.00, 0.15, 0.34, 0.16
HSL	33°, 48%, 70%
HSV	33°, 34%, 84%
XYZ	49.6348, 49.8560, 32.5983
YIQ	187.3070, 32.5080, -5.4440

Conversions

Conversions Part 2

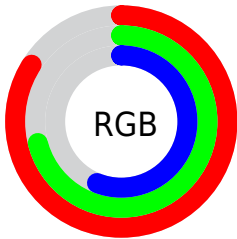
Format	Color
R _Y B	202, 215, 142
Decimal	14136974
CIE Lab	75.98, 6.17, 24.79
CIE LCh	76, 25.549, 76.018
Yxy	49.8560, 0.3758, 0.3774
Android (android.graphics.Color)	4292327054 (0xFFD7B68E)
YUV	187.3070, -22.3364, 24.2868
Hunter-Lab	70.6088, 1.9121, 22.0534

Details

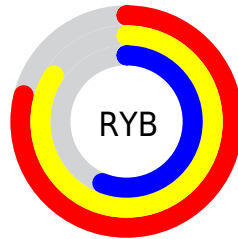
The XYZ color **49.6348, 49.8560, 32.5983** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **38.7506, 41.3157, 70.2225**, and the grayscale version is **47.5179, 49.9925, 54.4419**.

A 20% lighter version of the original color is **81.7783, 86.3946, 64.5902**, and **24.0367, 23.8268, 13.2297** is the 20% darker color. If you saturate the color by 10%, you get **46.2524, 45.4301, 24.2604**, and if you desaturate by 10%, it is **53.4692, 54.6874, 42.6240**.

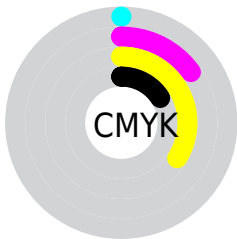
Distribution



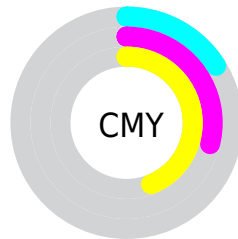
- Red (84%)
- Green (71%)
- Blue (56%)



- Red (79%)
- Yellow (84%)
- Blue (56%)



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





- Cyan (16%)
- Magenta (29%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6348, 49.8560, 32.5983 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 49.6348, 49.8560, 32.5983 by changing the saturation by 10% instead.


 49.6348, 49.8560,
32.5983

 49.6348, 49.8560,
32.5983


375.7117,
386.1025, 328.4121

 35.3399, 35.2990,
21.5503


 88.8286, 89.9615,
64.8566

 24.0926, 23.8933,
13.3317


 114.4582,
116.2787, 86.9040

 15.5274, 15.2545,
7.5239


144.5968,
147.2849, 113.4550

 9.2791, 8.9982,
3.7085


179.6098,
183.3643, 144.9281

 4.9822, 4.7400,
1.4668

219.8623,
224.9014, 181.7418

 2.2715, 2.0955,
0.1930

265.7200,

 0.7800, 0.6621,

272.2805, 224.3146

0.0000

317.5480,
325.8861, 273.0652

■ 0.0000, 0.0000,
0.0000

■ 49.6348, 49.8560,
32.5983

■ 49.6348, 49.8560,
32.5983

■ 46.2524, 45.4301,
24.2604

■ 53.4692, 54.6874,
42.6240

■ 43.2976, 41.3899,
17.5118

■ 57.7711, 59.9292,
54.4225

■ 40.7488, 37.7241,
12.2482

■ 62.5598, 65.5953,
68.0764

■ 38.5809, 34.4179,
8.3515

■ 67.8521, 71.6965,
83.6626

■ 36.7651, 31.4549,
5.6852

■ 73.6642, 78.2431,
101.2532

■ 35.2670, 28.8161,
4.0841

■ 77.3265, 84.1713,
106.7789

■ 34.4819, 27.3621,
3.4640

■ 80.2693, 90.0570,
107.7598

■ 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.



54.0373, 49.8560, 37.5101



49.6348, 49.8560, 32.5983



44.9035, 49.8560, 32.7703

Triad

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



49.6348, 49.8560, 32.5983



39.1154, 49.8560, 61.8508



54.2888, 49.8560, 74.6186

Complementary

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



49.6348, 49.8560, 32.5983



38.7506, 41.3157, 70.2225

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.



49.9597, 49.8560, 83.6091



49.6348, 49.8560, 32.5983



41.3053, 49.8560, 75.4362

Square

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



49.6348, 49.8560, 32.5983



39.0414, 49.8560, 48.1889



45.2074, 49.8560, 83.9311



56.8437, 49.8560, 60.8740

Rectangle

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



49.6348, 49.8560, 32.5983



42.2012, 49.8560, 35.7089



45.2074, 49.8560, 83.9311



52.9803, 49.8560, 78.3910

Sweetspot

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



49.6361, 49.8583, 32.5993



87.6455, 91.3305, 87.5044



45.5408, 36.9308, 45.8375



18.5498, 19.2988, 18.1350



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.



49.6361, 49.8583, 32.5993



69.2750, 68.4638, 38.6082



56.4982, 64.6355, 35.0899



12.9816, 13.5375, 13.0895



20.7316, 16.5804, 2.1077



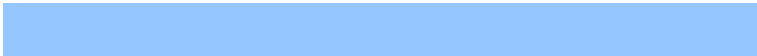
1.3326, 1.1645, 0.1545

Inverse Universe

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



38.7506, 41.3157, 70.2225



50.8375, 54.0005, 102.3515



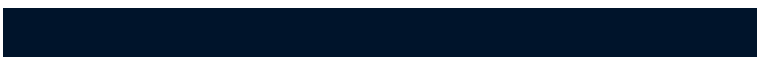
33.5167, 30.2213, 68.3569



12.2002, 12.9239, 15.7891



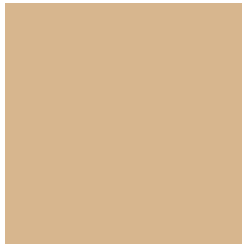
10.0059, 8.2735, 39.5227



0.6855, 0.6631, 2.4112

Previews

White Background



This preview shows how the XYZ color 49.6348, 49.8560, 32.5983 looks on a white background.

Color Contrast Check

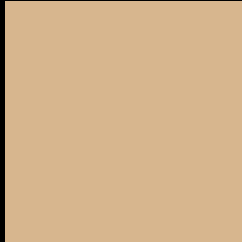
Large Text (above 18pt) WCAG AA × Fail

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 49.6348, 49.8560, 32.5983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

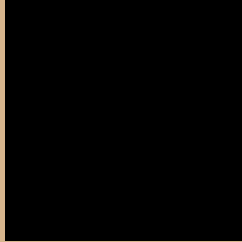
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6348, 49.8560, 32.5983

Background



This preview shows how black text looks on a background with the XYZ color 49.6348, 49.8560, 32.5983.



This preview shows how white text looks on a background with the XYZ color 49.6348, 49.8560,

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

49.6348, 49.8560, 32.5983

Protanopia

46.6238, 49.8336, 33.5471

Deuteranopia

50.7189, 49.8112, 32.5325



Tritanopia

54.2258, 49.9404, 54.9256

Trichromacy



Original Color

49.6348, 49.8560, 32.5983

Protanomaly

47.4837, 49.6602, 33.0693

Deuteranomaly

50.3198, 49.9062, 32.5719

Tritanomaly

52.2802, 49.7248, 45.8721

Monochromacy



Original Color

49.6348, 49.8560, 32.5983

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.7256, 49.5085, 45.5688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6348, 49.8560, 32.5983 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, 182, 142)` looks like.

```
.text, #text, p{  
    color:rgb(215, 182, 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, 182, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 182, 142) }
```

Border

The CSS property to change the border of an element to XYZ 49.6348, 49.8560, 32.5983 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, 182, 142) }
```


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

```
.border{ border-color:rgb(215, 182, 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, 182, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 182, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 182, 142);  
box-shadow:4px 4px 4px 4px rgb(215, 182,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6348, 49.8560, 32.5983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 182, 142) }
```

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

```
.background{ background-color: rgb(215,  
182, 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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