

Converting Colors

XYZ(49.6631, 48.1312, 41.1313)

Have a look what the booklet for
XYZ(49.6631, 48.1312, 41.1313)
contains.

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Color

**XYZ(49.7736, 48.2348,
41.3372)**

Conversions

Conversions Part 1

Format	Color
Hex	D5B1A3
RGB	213, 177, 163
RGB Percent	84%, 69%, 64%
CMY	0.1647, 0.3059, 0.3608
CMYK	0.00, 0.17, 0.23, 0.16
HSL	17°, 37%, 74%
HSV	17°, 23%, 84%
XYZ	49.7736, 48.2348, 41.3372
YIQ	186.1680, 25.9500, 3.2780

Conversions

Conversions Part 2

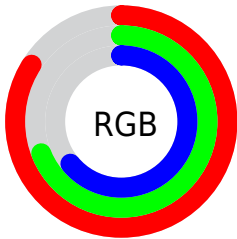
Format	Color
R_{YB}	213, 182, 163
Decimal	14004643
CIE Lab	74.97, 10.89, 12.03
CIE LCh	75, 16.230, 47.842
Yxy	48.2348, 0.3572, 0.3462
Android (android.graphics.Color)	4292194723 (0xFFD5B1A3)
YUV	186.1680, -11.4218, 23.5317
Hunter-Lab	69.4513, 6.3857, 13.3267

Details

The XYZ color **49.7736, 48.2348, 41.3372** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **47.5374, 53.4360, 70.7598**, and the grayscale version is **46.8192, 49.2574, 53.6414**.

A 20% lighter version of the original color is **83.0338, 84.5998, 78.2827**, and **24.1774, 22.8321, 18.1717** is the 20% darker color. If you saturate the color by 10%, you get **45.1633, 41.8152, 31.1645**, and if you desaturate by 10%, it is **55.0484, 55.4681, 53.3183**.

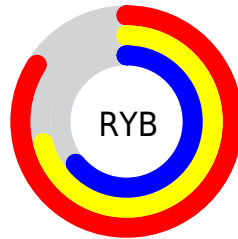
Distribution



Red (84%)

Green (69%)

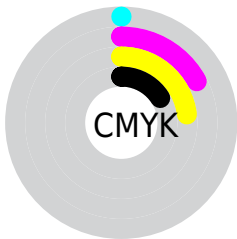
Blue (64%)



Red (84%)

Yellow (71%)

Blue (64%)

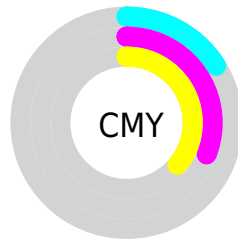


Cyan (0%)

Magenta (17%)

Yellow (23%)

Black (16%)



Cyan (16%)


Magenta (31%)


Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7736, 48.2348, 41.3372 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 49.7736, 48.2348, 41.3372 by changing the saturation by 10% instead.


 49.7736, 48.2348,
41.3372


 49.7736, 48.2348,
41.3372


376.2466,
379.7221, 367.4463

 35.4506, 34.0129,
28.2610

 89.0332, 87.5539,
78.4547

 24.1783, 22.9035,
18.2817


 114.7005,
113.4198, 103.3331

 15.5914, 14.5223,
10.9809


144.8799,
143.9359, 132.9827

 9.3245, 8.4848,
5.9400

179.9368,
179.4865, 167.8219

 5.0122, 4.4067,
2.7404

220.2366,
220.4560, 208.2693

 2.2893, 1.9036,
0.9637

266.1446,

 0.7892, 0.5505,

267.2289, 254.7435

0.0000

318.0261,
320.1894, 307.6629

■ 0.0000, 0.0000,
0.0000

■ 49.7736, 48.2348,
41.3372

■ 49.7736, 48.2348,
41.3372

■ 45.1633, 41.8152,
31.1645

■ 55.0484, 55.4681,
53.3183

■ 41.1862, 36.1739,
22.7087

■ 61.0093, 63.5359,
67.1871

■ 37.8144, 31.2823,
15.8748

■ 67.6820, 72.4664,
83.0219

■ 35.0160, 27.1079,
10.5572

■ 75.0895, 82.2846,
100.8958

■ 32.7562, 23.6153,
6.6377

■ 80.8299, 92.0446,
108.1139

■ 30.9956, 20.7658,
3.9803

■ 81.2507, 92.8862,
108.2542

■ 29.6886, 18.5163,
2.4212

■ 29.0387, 17.3423,
1.8169

Harmonies

Analogous

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



51.4809, 48.2348, 47.6809



49.7736, 48.2348, 41.3372



47.0551, 48.2348, 38.1397

Triad

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



49.7736, 48.2348, 41.3372



40.5029, 48.2348, 49.1603



47.6122, 48.2348, 69.6174

Complementary

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



49.7736, 48.2348, 41.3372



47.5374, 53.4360, 70.7598

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.



44.6573, 48.2348, 70.1236



49.7736, 48.2348, 41.3372



40.6376, 48.2348, 57.6748

Square

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



49.7736, 48.2348, 41.3372



41.7539, 48.2348, 42.3195



42.1301, 48.2348, 65.5559



50.1965, 48.2348, 64.2394

Rectangle

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



49.7736, 48.2348, 41.3372



45.0734, 48.2348, 37.9677



42.1301, 48.2348, 65.5559



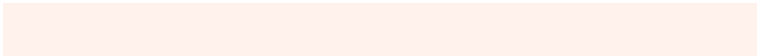
46.6269, 48.2348, 70.3824

Sweetspot

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



49.7749, 48.2370, 41.3382



88.3447, 90.9765, 93.1397



50.9246, 44.4956, 60.3445



18.7910, 19.3126, 19.6596



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.



49.7749, 48.2370, 41.3382



71.3473, 67.6989, 54.4347



55.0163, 58.7198, 43.0853



12.7036, 12.9814, 12.9968



17.8129, 10.7430, 1.1348



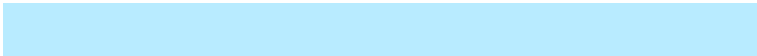
1.1442, 0.7876, 0.0917

Inverse Universe

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



47.5374, 53.4360, 70.7598



67.4303, 76.7787, 105.8736



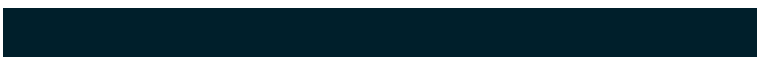
42.3802, 43.1216, 69.0407



12.4845, 13.4925, 15.8838



14.4190, 17.0998, 40.9938



0.9379, 1.1679, 2.4953

Previews

White Background



This preview shows how the XYZ color 49.7736, 48.2348, 41.3372 looks on a white background.

Color Contrast Check

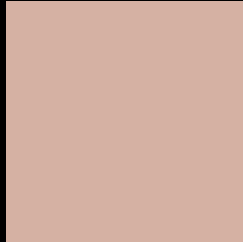
Large Text (above 18pt) WCAG AA × Fail

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 49.7736, 48.2348, 41.3372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

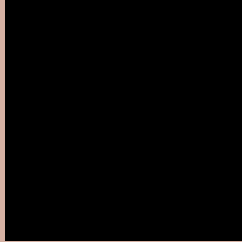
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7736, 48.2348, 41.3372

Background



This preview shows how black text looks on a background with the XYZ color 49.7736, 48.2348, 41.3372.



This preview shows how white text looks on a background with the XYZ color 49.7736, 48.2348,

41.3372.

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

49.7736, 48.2348, 41.3372

Protanopia

45.8538, 48.2775, 43.4609

Deuteranopia

49.3952, 48.3340, 41.3763



Tritanopia

52.2321, 48.0739, 53.5400

Trichromacy



Original Color

49.7736, 48.2348, 41.3372

Protanomaly

47.2262, 48.0803, 42.8677

Deuteranomaly

49.6826, 48.4822, 41.3898

Tritanomaly

51.1963, 47.9335, 48.6732

Monochromacy



Original Color

49.7736, 48.2348, 41.3372

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.7343, 48.8171, 49.0263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7736, 48.2348, 41.3372 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(213, 177, 163) looks like.

```
.text, #text, p{  
    color:rgb(213, 177, 163)  
}
```

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(213, 177, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 177, 163) }
```

Border

The CSS property to change the border of an element to XYZ 49.7736, 48.2348, 41.3372 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(213, 177, 163) }
```


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

```
.border{ border-color:rgb(213, 177, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 177, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 177, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 177, 163);  
box-shadow:4px 4px 4px 4px rgb(213, 177,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7736, 48.2348, 41.3372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 177, 163) }
```

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

```
.background{ background-color: rgb(213,  
177, 163) }
```

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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