

Converting Colors

XYZ(49.8357, 47.8781, 45.6445)

Have a look what the booklet for
XYZ(49.8357, 47.8781, 45.6445)
contains.

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Color

**XYZ(49.8357, 47.8781,
45.6445)**

Conversions

Conversions Part 1

Format	Color
Hex	D3B0AC
RGB	211, 176, 172
RGB Percent	83%, 69%, 67%
CMY	0.1725, 0.3098, 0.3255
CMYK	0.00, 0.17, 0.18, 0.17
HSL	6°, 31%, 75%
HSV	6°, 18%, 83%
XYZ	49.8357, 47.8781, 45.6445
YIQ	186.0090, 22.1440, 6.1760

Conversions

Conversions Part 2

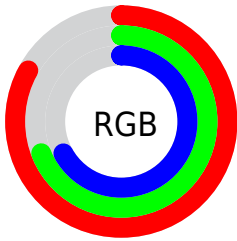
Format	Color
R_{YB}	211, 176, 172
Decimal	13873324
CIE _{Lab}	74.75, 12.03, 6.78
CIE _{LCh}	75, 13.808, 29.402
Yxy	47.8781, 0.3476, 0.3340
Android (android.graphics.Color)	4292063404 (0xFFD3B0AC)
YUV	186.0090, -6.9064, 21.9171
Hunter-Lab	69.1940, 7.4718, 9.3246

Details

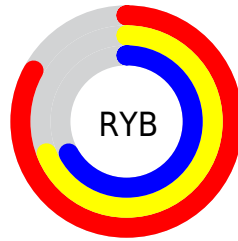
The XYZ color **49.8357, 47.8781, 45.6445** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **51.0835, 58.0981, 70.1501**, and the grayscale version is **46.7070, 49.1394, 53.5128**.

A 20% lighter version of the original color is **83.9617, 84.5193, 84.5616**, and **24.1834, 22.5899, 20.8550** is the 20% darker color. If you saturate the color by 10%, you get **44.5111, 40.2182, 34.6530**, and if you desaturate by 10%, it is **56.0025, 56.7066, 58.5052**.

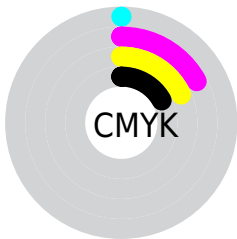
Distribution



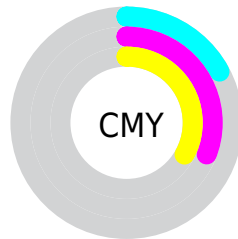
- Red (83%)
- Green (69%)
- Blue (67%)



- Red (83%)
- Yellow (69%)
- Blue (67%)



- Cyan (0%)
- Magenta (17%)
- Yellow (18%)
- Black (17%)





- Cyan (17%)
- Magenta (31%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8357, 47.8781, 45.6445 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 49.8357, 47.8781, 45.6445 by changing the saturation by 10% instead.


 49.8357, 47.8781,
45.6445

 49.8357, 47.8781,
45.6445


376.4857,
378.3087, 385.6135

 35.5001, 33.7304,
31.6187


 89.1247, 87.0229,
85.0154

 24.2167, 22.6865,
20.8081

114.8088,
112.7887, 111.1976

 15.6201, 14.3622,
12.7939


145.0065,
143.1960, 142.2690

 9.3448, 8.3730,
7.1577

180.0831,
178.6292, 178.6482

 5.0257, 4.3346,
3.4810

220.4039,
219.4727, 220.7537

 2.2973, 1.8624,
1.3452

266.3344,

 0.7933, 0.5256,

266.1109, 269.0041

0.0984

318.2399,
318.9281, 323.8179

■ 0.0000, 0.0000,
0.0000

■ 49.8357, 47.8781,
45.6445

■ 49.8357, 47.8781,
45.6445

■ 44.5111, 40.2182,
34.6530

■ 56.0025, 56.7066,
58.5052

■ 39.9883, 33.6718,
25.4409

■ 63.0419, 66.7431,
73.3133

■ 36.2295, 28.1888,
17.9153

■ 70.9874, 78.0330,
90.1463

■ 33.1922, 23.7131,
11.9738

■ 79.6431, 90.5269,
107.8835

■ 30.8298, 20.1832,
7.5029

■ 80.6742, 92.5890,
108.2272

■ 29.0901, 17.5307,
4.3738

■ 27.9132, 15.6782,
2.4357

■ 27.2194, 14.5315,
1.4622

■ 27.1446, 14.4100,
1.3507

Harmonies

Analogous

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



50.4978, 47.8781, 52.2753



49.8357, 47.8781, 45.6445



48.0041, 47.8781, 41.1304

Triad

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



49.8357, 47.8781, 45.6445



41.4832, 47.8781, 45.4166



45.4564, 47.8781, 67.1862

Complementary

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



49.8357, 47.8781, 45.6445



51.0835, 58.0981, 70.1501

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.



43.0974, 47.8781, 64.9368



49.8357, 47.8781, 45.6445



40.8558, 47.8781, 51.9872

Square

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



49.8357, 47.8781, 45.6445



43.1815, 47.8781, 41.0076



41.4359, 47.8781, 59.2049



47.9139, 47.8781, 65.1037

Rectangle

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



49.8357, 47.8781, 45.6445



46.3988, 47.8781, 39.7073



41.4359, 47.8781, 59.2049



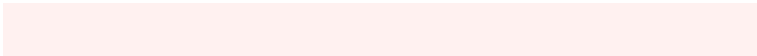
44.6261, 47.8781, 66.9087

Sweetspot

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



49.8370, 47.8803, 45.6455



88.4591, 90.6045, 95.0307



52.8917, 47.8644, 65.5471



18.7868, 19.1831, 20.0318



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.



49.8370, 47.8803, 45.6455



73.2871, 68.8788, 63.4043



53.9157, 56.0377, 47.0051



11.9050, 12.0007, 12.3009



16.4172, 8.7674, 0.8270



0.9520, 0.5582, 0.0576

Inverse Universe

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



51.0835, 58.0981, 70.1501



75.5267, 87.2486, 107.4677



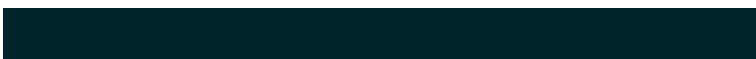
46.6696, 49.2702, 68.6788



12.0504, 13.1910, 15.1546



18.1660, 24.9785, 41.0564



1.0463, 1.4578, 2.3058

Previews

White Background



This preview shows how the XYZ color 49.8357, 47.8781, 45.6445 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 49.8357, 47.8781, 45.6445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

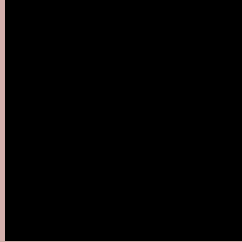
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.8357, 47.8781, 45.6445

Background



This preview shows how black text looks on a background with the XYZ color 49.8357, 47.8781, 45.6445.



This preview shows how white text looks on a background with the XYZ color 49.8357, 47.8781,

45.6445.

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

49.8357, 47.8781, 45.6445

Protanopia

45.7562, 47.8204, 47.8929

Deuteranopia

49.0989, 48.0847, 45.7232



Tritanopia

51.5463, 48.0061, 53.5630

Trichromacy



Original Color

49.8357, 47.8781, 45.6445

Protanomaly

47.0851, 47.6080, 47.2650

Deuteranomaly

49.1810, 47.8327, 45.6703

Tritanomaly

50.9248, 48.0344, 50.8435

Monochromacy



Original Color

49.8357, 47.8781, 45.6445

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.5741, 48.3942, 50.5496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8357, 47.8781, 45.6445 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(211, 176, 172)` looks like.

```
.text, #text, p{  
    color:rgb(211, 176, 172)  
}
```

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(211, 176, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 176, 172) }
```

Border

The CSS property to change the border of an element to XYZ 49.8357, 47.8781, 45.6445 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(211, 176, 172) }
```


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

```
.border{ border-color:rgb(211, 176, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 176, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 176, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 176, 172);  
box-shadow:4px 4px 4px 4px rgb(211, 176,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8357, 47.8781, 45.6445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 176, 172) }
```

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

```
.background{ background-color: rgb(211,  
176, 172) }
```

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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