

Converting Colors

XYZ(48.9470, 46.0541, 44.3692)

Have a look what the booklet for
XYZ(48.9470, 46.0541, 44.3692)
contains.

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Color

**XYZ(48.9700, 46.0251,
44.3330)**

Conversions

Conversions Part 1

Format	Color
Hex	D4ABAA
RGB	212, 171, 170
RGB Percent	83%, 67%, 67%
CMY	0.1686, 0.3294, 0.3333
CMYK	0.00, 0.19, 0.20, 0.17
HSL	1°, 33%, 75%
HSV	1°, 20%, 83%
XYZ	48.9700, 46.0251, 44.3330
YIQ	183.1450, 24.7570, 8.3810

Conversions

Conversions Part 2

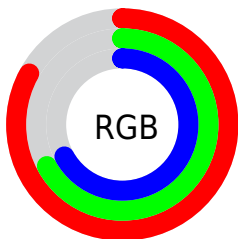
Format	Color
RYB	212, 171, 170
Decimal	13937578
CIELab	73.56, 14.79, 6.18
CIELCh	74, 16.034, 22.676
Yxy	46.0251, 0.3515, 0.3303
Android (android.graphics.Color)	4292127658 (0xFFD4ABAA)
YUV	183.1450, -6.4805, 25.3058
Hunter-Lab	67.8418, 10.1229, 8.7447

Details

The XYZ color **48.9700, 46.0251, 44.3330** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **51.7551, 59.8868, 71.1193**, and the grayscale version is **45.1152, 47.4647, 51.6891**.

A 20% lighter version of the original color is **82.0270, 81.0890, 82.5626**, and **23.7715, 21.6698, 20.0693** is the 20% darker color. If you saturate the color by 10%, you get **43.5167, 38.0730, 33.4059**, and if you desaturate by 10%, it is **55.3612, 55.3346, 57.1693**.

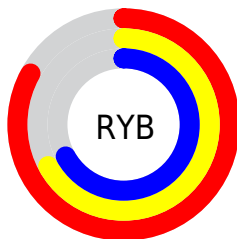
Distribution



Red (83%)

Green (67%)

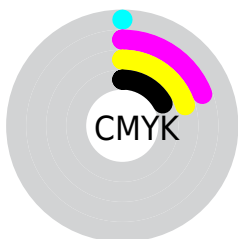
Blue (67%)



Red (83%)

Yellow (67%)

Blue (67%)

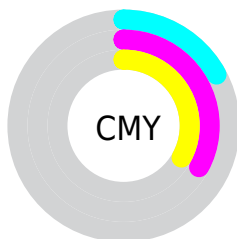


Cyan (0%)

Magenta (19%)

Yellow (20%)

Black (17%)



Cyan (17%)

Magenta (33%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9700, 46.0251, 44.3330 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 48.9700, 46.0251, 44.3330 by changing the saturation by 10% instead.

 48.9700, 46.0251,
44.3330

 48.9700, 46.0251,
44.3330


373.1431,
370.9096, 380.1465

 34.8101, 32.2656,
30.5933


 87.8479, 84.2566,
83.0264

 23.6825, 21.5645,
20.0335


113.2966,
109.4973, 108.8172

 15.2217, 13.5372,
12.2351


143.2390,
139.3340, 139.4620

 9.0625, 7.7995,
6.7795

178.0404,
174.1510, 175.3795

 4.8394, 3.9669,
3.2482

218.0661,
214.3326, 216.9881

 2.1871, 1.6551,
1.2227

263.6816,

 0.7359, 0.3943,

260.2633, 264.7065

0.0000

315.2521,
312.3275, 318.9531

■ 0.0000, 0.0000,
0.0000

■ 48.9700, 46.0251,
44.3330

■ 48.9700, 46.0251,
44.3330

■ 43.5167, 38.0730,
33.4059

■ 55.3612, 55.3346,
57.1693

■ 38.9536, 31.4090,
24.2942

■ 62.7275, 66.0541,
71.9968

■ 35.2346, 25.9673,
16.9004

■ 71.1088, 78.2410,
88.8963

■ 32.3080, 21.6737,
11.1169

■ 80.5413, 91.9477,
107.9431

■ 30.1163, 18.4459,
6.8237

■ 80.9616, 92.7372,
108.2407

■ 28.5943, 16.1907,
3.8844

■ 27.6653, 14.7990,
2.1374

■ 27.2130, 14.1165,
1.3020

■ 27.2066, 14.1071,
1.2890

Harmonies

Analogous

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



49.3775, 46.0251, 52.1298



48.9700, 46.0251, 44.3330



47.1342, 46.0251, 38.6966

Triad

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



48.9700, 46.0251, 44.3330



39.5525, 46.0251, 41.2321



43.0543, 46.0251, 67.2458

Complementary

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



48.9700, 46.0251, 44.3330



51.7551, 59.8868, 71.1193

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.



40.5232, 46.0251, 63.5805



48.9700, 46.0251, 44.3330



38.5589, 46.0251, 48.1498

Square

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



48.9700, 46.0251, 44.3330



41.6776, 46.0251, 37.0458



38.9064, 46.0251, 56.3758



45.8807, 46.0251, 65.9411

Rectangle

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



48.9700, 46.0251, 44.3330



45.3887, 46.0251, 36.6396



38.9064, 46.0251, 56.3758



42.1424, 46.0251, 66.5417

Sweetspot

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



48.9713, 46.0272, 44.3340



88.1030, 89.8923, 94.9120



53.3222, 47.4654, 68.1772



18.7030, 19.0155, 20.0039



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.



48.9713, 46.0272, 44.3340



70.5291, 64.2940, 59.6139



53.1915, 54.4676, 45.7407



12.4468, 12.4678, 12.9112



16.8062, 8.7297, 0.7992



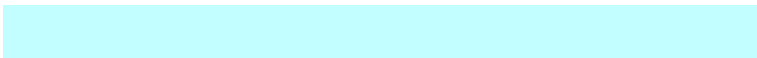
1.0222, 0.5437, 0.0511

Inverse Universe

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



51.7551, 59.8868, 71.1193



75.5420, 89.2533, 107.8539



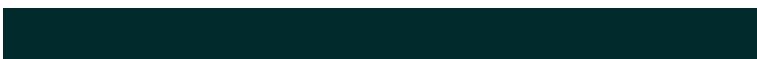
46.9403, 50.2572, 69.5144



12.7656, 14.0546, 15.9775



21.1125, 30.4868, 43.2249



1.2816, 1.8553, 2.6099

Previews

White Background



This preview shows how the XYZ color 48.9700, 46.0251, 44.3330 looks on a white background.

Color Contrast Check

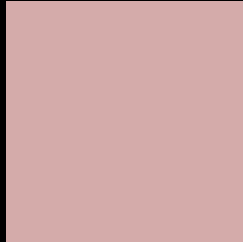
Large Text (above 18pt) WCAG AA × Fail

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 48.9700, 46.0251, 44.3330 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 48.9700, 46.0251, 44.3330

Background



This preview shows how black text looks on a background with the XYZ color 48.9700, 46.0251, 44.3330.



This preview shows how white text looks on a background with the XYZ color 48.9700, 46.0251,

44.3330.

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

48.9700, 46.0251, 44.3330

Protanopia

44.3088, 46.1768, 47.1351

Deuteranopia

47.1200, 46.2210, 43.9742



Tritanopia

50.0720, 45.8995, 50.4764

Trichromacy



Original Color

48.9700, 46.0251, 44.3330

Protanomaly

45.7706, 46.0635, 46.0139

Deuteranomaly

47.7511, 46.2585, 43.9481

Tritanomaly

49.8512, 46.1099, 48.3921

Monochromacy



Original Color

48.9700, 46.0251, 44.3330

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

46.4041, 46.9239, 48.7309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9700, 46.0251, 44.3330 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(212, 171, 170)` looks like.

```
.text, #text, p{  
    color:rgb(212, 171, 170)  
}
```

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(212, 171, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 171, 170) }
```

Border

The CSS property to change the border of an element to XYZ 48.9700, 46.0251, 44.3330 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(212, 171, 170) }
```


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

```
.border{ border-color:rgb(212, 171, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 171, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 171, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 171, 170);  
box-shadow:4px 4px 4px 4px rgb(212, 171,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9700, 46.0251, 44.3330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 171, 170) }
```

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

```
.background{ background-color: rgb(212,  
171, 170) }
```

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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