

Converting Colors

XYZ(49.8869, 46.0919, 50.0775)

Have a look what the booklet for
XYZ(49.8869, 46.0919, 50.0775)
contains.

XYZ(49.8666, 46.0827, 49.9827)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.8666, 46.0827,
49.9827)**

Conversions

Conversions Part 1

Format	Color
Hex	D4AAB5
RGB	212, 170, 181
RGB Percent	83%, 67%, 71%
CMY	0.1686, 0.3333, 0.2902
CMYK	0.00, 0.20, 0.15, 0.17
HSL	344°, 33%, 75%
HSV	344°, 20%, 83%
XYZ	49.8666, 46.0827, 49.9827
YIQ	183.8120, 21.5010, 12.3250

Conversions

Conversions Part 2

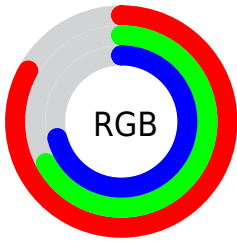
Format	Color
R _Y B	212, 170, 181
Decimal	13937333
CIE Lab	73.60, 17.06, 0.20
CIE LCh	74, 17.066, 0.668
Yxy	46.0827, 0.3417, 0.3158
Android (android.graphics.Color)	4292127413 (0xFFD4AAB5)
YUV	183.8120, -1.3863, 24.7209
Hunter-Lab	67.8842, 12.3256, 3.8641

Details

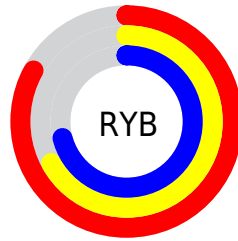
The XYZ color **49.8666, 46.0827, 49.9827** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **50.6655, 59.8512, 64.1433**, and the grayscale version is **45.4564, 47.8237, 52.0800**.

A 20% lighter version of the original color is **83.4513, 81.2249, 91.4004**, and **24.2793, 21.6835, 23.3277** is the 20% darker color. If you saturate the color by 10%, you get **44.6919, 38.1599, 40.7757**, and if you desaturate by 10%, it is **55.8652, 55.3635, 60.3553**.

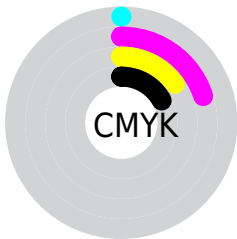
Distribution



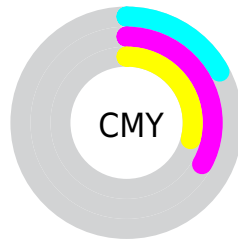
- Red (83%)
- Green (67%)
- Blue (71%)



- Red (83%)
- Yellow (67%)
- Blue (71%)



- Cyan (0%)
- Magenta (20%)
- Yellow (15%)
- Black (17%)




- Cyan (17%)
- Magenta (33%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8666, 46.0827, 49.9827 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 49.8666, 46.0827, 49.9827 by changing the saturation by 10% instead.


 49.8666, 46.0827,
49.9827

 49.8666, 46.0827,
49.9827


376.6047,
371.1410, 403.3314

 35.5248, 32.3111,
35.0286


 89.1702, 84.3428,
91.5453

 24.2358, 21.5992,
23.4012


114.8627,
109.6000, 118.9908

 15.6343, 13.5627,
14.6819

145.0694,
139.4545, 151.4372

 9.3550, 7.8172,
8.4523

180.1558,
174.2908, 189.3031

 5.0324, 3.9782,
4.2938

220.4872,
214.4932, 233.0069

 2.3012, 1.6614,
1.7879

266.4289,

 0.7953, 0.3984,

260.4461, 282.9672

0.4199

318.3462,
312.5339, 339.6025

■ 0.0000, 0.0000,
0.0000

■ 49.8666, 46.0827,
49.9827

■ 49.8666, 46.0827,
49.9827

■ 44.6919, 38.1599,
40.7757

■ 55.8652, 55.3635,
60.3553

■ 40.3005, 31.5251,
32.6899

■ 62.7180, 66.0556,
71.9299

■ 36.6543, 26.1116,
25.6822

■ 70.4586, 78.2169,
84.7450

■ 33.7104, 21.8441,
19.7056

■ 79.1176, 91.9003,
98.8364

■ 31.4212, 18.6389,
14.7094

■ 80.9616, 92.7372,
108.2407

■ 29.7331, 16.4006,
10.6383

■ 28.5831, 15.0168,
7.4306

■ 27.8651, 14.2896,
5.0064

■ 27.8535, 14.2779,
4.9668

Harmonies

Analogous

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



49.0598, 46.0827, 58.7713



49.8666, 46.0827, 49.9827



48.9868, 46.0827, 42.1633

Triad

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



49.8666, 46.0827, 49.9827



40.9049, 46.0827, 37.1888



41.0169, 46.0827, 66.1145

Complementary

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



49.8666, 46.0827, 49.9827



50.6655, 59.8512, 64.1433

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.



38.9933, 46.0827, 59.1450



49.8666, 46.0827, 49.9827



38.9307, 46.0827, 42.4629

Square

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



49.8666, 46.0827, 49.9827



43.7326, 46.0827, 35.3173



38.2469, 46.0827, 50.3703



43.8679, 46.0827, 68.7088

Rectangle

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



49.8666, 46.0827, 49.9827



47.5845, 46.0827, 38.3816



38.2469, 46.0827, 50.3703



40.2221, 46.0827, 64.1690

Sweetspot

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



49.8679, 46.0848, 49.9837



88.5964, 89.9175, 98.0405



50.2936, 45.8949, 68.4957



18.8192, 19.0215, 20.7405



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.



49.8679, 46.0848, 49.9837



72.0983, 64.3990, 69.4885



50.6895, 49.4631, 44.9085



12.5554, 12.4737, 13.5991



17.2305, 8.8285, 3.2519



1.0735, 0.5462, 0.3762

Inverse Universe

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



49.8679, 46.0848, 49.9837



72.0983, 64.3990, 69.4885



49.6303, 55.6359, 70.4109



12.5554, 12.4737, 13.5991



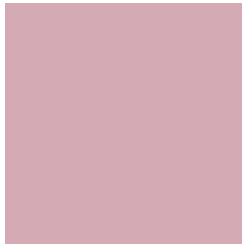
17.2305, 8.8285, 3.2519



1.0735, 0.5462, 0.3762

Previews

White Background



This preview shows how the XYZ color 49.8666, 46.0827, 49.9827 looks on a white background.

Color Contrast Check

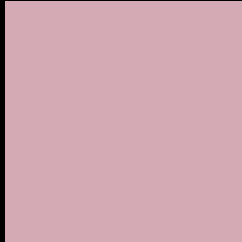
Large Text (above 18pt) WCAG AA × Fail

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 49.8666, 46.0827, 49.9827 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 49.8666, 46.0827, 49.9827

Background



This preview shows how black text looks on a background with the XYZ color 49.8666, 46.0827, 49.9827.



This preview shows how white text looks on a background with the XYZ color 49.8666, 46.0827,

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

49.8666, 46.0827, 49.9827

Protanopia

44.8193, 46.2977, 53.5878

Deuteranopia

47.1214, 46.0973, 49.5941



Tritanopia

50.0733, 46.1654, 51.0714

Trichromacy



Original Color

49.8666, 46.0827, 49.9827

Protanomaly

46.5304, 46.0228, 52.3298

Deuteranomaly

48.0836, 46.0198, 49.5284

Tritanomaly

49.9696, 46.1239, 50.5251

Monochromacy



Original Color

49.8666, 46.0827, 49.9827

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.9155, 47.1284, 51.4237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8666, 46.0827, 49.9827 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, 170, 181) looks like.

```
.text, #text, p{  
    color:rgb(212, 170, 181)  
}
```

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, 170, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 170, 181) }
```

Border

The CSS property to change the border of an element to XYZ 49.8666, 46.0827, 49.9827 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, 170, 181) }
```


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

```
.border{ border-color:rgb(212, 170, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 170, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 170, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 170, 181);  
box-shadow:4px 4px 4px 4px rgb(212, 170,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8666, 46.0827, 49.9827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 170, 181) }
```

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

```
.background{ background-color: rgb(212,  
170, 181) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor