

Converting Colors

XYZ(49.8908, 50.5913, 47.1800)

Have a look what the booklet for
XYZ(49.8908, 50.5913, 47.1800)
contains.

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Color

**XYZ(49.8908, 50.5913,
47.1800)**

Conversions

Conversions Part 1

Format	Color
Hex	CCB9AE
RGB	204, 185, 174
RGB Percent	80%, 73%, 68%
CMY	0.2000, 0.2745, 0.3176
CMYK	0.00, 0.09, 0.15, 0.20
HSL	22°, 23%, 74%
HSV	22°, 15%, 80%
XYZ	49.8908, 50.5913, 47.1800
YIQ	189.4270, 14.8550, 0.6070

Conversions

Conversions Part 2

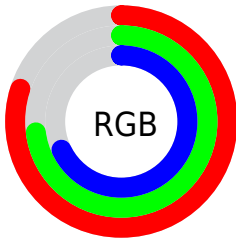
Format	Color
RYB	204, 191, 174
Decimal	13416878
CIELab	76.43, 4.92, 8.02
CIELCh	76, 9.412, 58.449
Yxy	50.5913, 0.3379, 0.3426
Android (android.graphics.Color)	4291606958 (0xFFCCB9AE)
YUV	189.4270, -7.6055, 12.7805
Hunter-Lab	71.1276, 0.7315, 10.4613

Details

The XYZ color **49.8908, 50.5913, 47.1800** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.4244, 51.4972, 64.5676**, and the grayscale version is **48.6517, 51.1854, 55.7409**.

A 20% lighter version of the original color is **86.8382, 89.8277, 86.8904**, and **24.3418, 24.3917, 21.8375** is the 20% darker color. If you saturate the color by 10%, you get **45.4708, 44.6957, 36.6286**, and if you desaturate by 10%, it is **54.8612, 57.1033, 59.4062**.

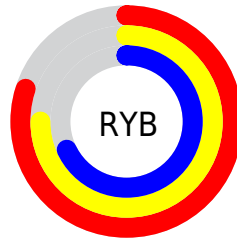
Distribution



Red (80%)

Green (73%)

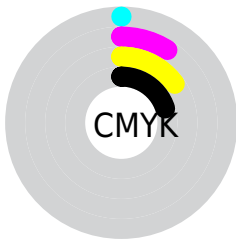
Blue (68%)



Red (80%)

Yellow (75%)

Blue (68%)

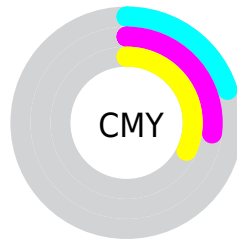


Cyan (0%)

Magenta (9%)

Yellow (15%)

Black (20%)



Cyan (20%)


Magenta (27%)


Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8908, 50.5913, 47.1800 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 49.8908, 50.5913, 47.1800 by changing the saturation by 10% instead.


 49.8908, 50.5913,
47.1800

 49.8908, 50.5913,
47.1800

376.6978,
388.9738, 391.9471

 35.5441, 35.8835,
32.8226


 89.2058, 91.0504,
87.3350

 24.2508, 24.3442,
21.7206


114.9049,
117.5704, 113.9698

 15.6455, 15.5891,
13.4554


145.1188,
148.7965, 145.5340

 9.3629, 9.2339,
7.6085

180.2128,
185.1133, 182.4463

 5.0376, 4.8941,
3.7613

220.5524,
226.9050, 225.1253

 2.3043, 2.1852,
1.4953

266.5028,

 0.7969, 0.7119,

274.5560, 273.9893

0.2144

318.4295,
328.4508, 329.4571

■ 0.0000, 0.0000,
0.0000

■ 49.8908, 50.5913,
47.1800

■ 49.8908, 50.5913,
47.1800

■ 45.4708, 44.6957,
36.6286

■ 54.8612, 57.1033,
59.4062

■ 41.5770, 39.3913,
27.6752

■ 60.3968, 64.2426,
73.3732

■ 38.1894, 34.6610,
20.2416

■ 66.5171, 72.0283,
89.1471

■ 35.2849, 30.4842,
14.2417

■ 73.1422, 80.4377,
106.2788

■ 32.8386, 26.8390,
9.5807

■ 77.0111, 88.1755,
107.5684

■ 30.8229, 23.7019,
6.1523

■ 78.7120, 91.5775,
108.1354

■ 29.2068, 21.0469,
3.8334

■ 27.9534, 18.8454,
2.4748

■ 27.4064, 17.8461,
2.0002

Harmonies

Analogous

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



51.1444, 50.5913, 50.5657



49.8908, 50.5913, 47.1800



48.1778, 50.5913, 45.8939

Triad

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



49.8908, 50.5913, 47.1800



44.7588, 50.5913, 54.8215



49.7272, 50.5913, 64.1197

Complementary

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



49.8908, 50.5913, 47.1800



47.4244, 51.4972, 64.5676

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.



47.9933, 50.5913, 65.4286



49.8908, 50.5913, 47.1800



45.1511, 50.5913, 59.8666

Square

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



49.8908, 50.5913, 47.1800



45.2396, 50.5913, 50.1347



46.3243, 50.5913, 63.8278



51.0484, 50.5913, 60.3516

Rectangle

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



49.8908, 50.5913, 47.1800



47.0151, 50.5913, 46.3363



46.3243, 50.5913, 63.8278



49.1720, 50.5913, 64.8717

Sweetspot

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



49.8922, 50.5936, 47.1811



91.4250, 95.3085, 99.8040



49.6641, 46.9604, 56.8994



19.4265, 20.2152, 21.0074



0.0000, 0.0000, 0.0000



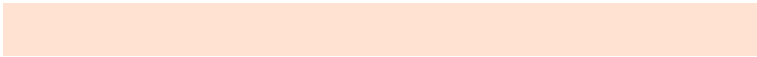
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.8922, 50.5936, 47.1811



79.9399, 80.2262, 71.6585



53.1966, 57.2025, 48.2826



11.5437, 11.8763, 11.7634



17.3314, 11.3958, 1.2861



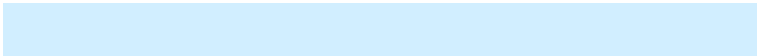
0.9660, 0.7317, 0.0903

Inverse Universe

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



47.4244, 51.4972, 64.5676



74.9951, 82.0346, 106.4893



44.2757, 45.1998, 63.5181



11.1839, 12.0082, 14.2987



11.9069, 12.8378, 37.8066



0.6851, 0.8039, 1.9740

Previews

White Background



This preview shows how the XYZ color 49.8908, 50.5913, 47.1800 looks on a white background.

Color Contrast Check

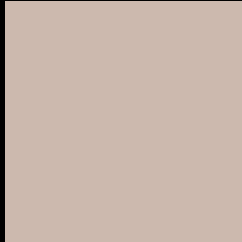
Large Text (above 18pt) WCAG AA × Fail

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 49.8908, 50.5913, 47.1800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

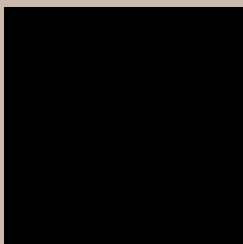
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

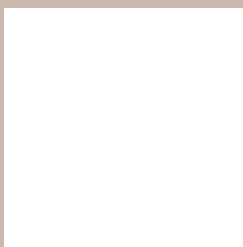
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.8908, 50.5913, 47.1800

Background



This preview shows how black text looks on a background with the XYZ color 49.8908, 50.5913, 47.1800.



This preview shows how white text looks on a background with the XYZ color 49.8908, 50.5913,

47.1800.

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

49.8908, 50.5913, 47.1800

Protanopia

48.3254, 50.7031, 48.3140

Deuteranopia

51.6172, 50.5481, 47.5937



Tritanopia

52.4239, 50.7068, 59.2489

Trichromacy



Original Color

49.8908, 50.5913, 47.1800

Protanomaly

48.7969, 50.6416, 47.7604

Deuteranomaly

50.9658, 50.5174, 47.6221

Tritanomaly

51.4642, 50.6196, 54.6351

Monochromacy



Original Color

49.8908, 50.5913, 47.1800

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.8831, 50.8965, 52.5950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8908, 50.5913, 47.1800 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(204, 185, 174)` looks like.

```
.text, #text, p{  
    color:rgb(204, 185, 174)  
}
```

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(204, 185, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 185, 174) }
```

Border

The CSS property to change the border of an element to XYZ 49.8908, 50.5913, 47.1800 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(204, 185, 174) }
```


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

```
.border{ border-color:rgb(204, 185, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 185, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 185, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 185, 174);  
box-shadow:4px 4px 4px 4px rgb(204, 185,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8908, 50.5913, 47.1800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 185, 174) }
```

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

```
.background{ background-color: rgb(204,  
185, 174) }
```

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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