

Converting Colors

XYZ(49.5096, 50.4752, 43.6953)

Have a look what the booklet for
XYZ(49.5096, 50.4752, 43.6953)
contains.

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Color

**XYZ(49.5009, 50.4671,
43.6914)**

Conversions

Conversions Part 1

Format	Color
Hex	CDB9A7
RGB	205, 185, 167
RGB Percent	80%, 73%, 65%
CMY	0.1961, 0.2745, 0.3451
CMYK	0.00, 0.10, 0.19, 0.20
HSL	28°, 28%, 73%
HSV	28°, 19%, 80%
XYZ	49.5009, 50.4671, 43.6914
YIQ	188.9280, 17.6980, -1.3580

Conversions

Conversions Part 2

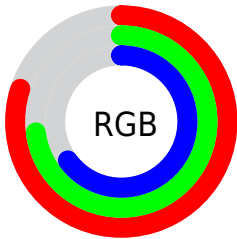
Format	Color
R _Y B	205, 201, 167
Decimal	13482407
CIE Lab	76.36, 4.20, 11.72
CIE LCh	76, 12.445, 70.288
Yxy	50.4671, 0.3446, 0.3513
Android (android.graphics.Color)	4291672487 (0xFFCDB9A7)
YUV	188.9280, -10.8105, 14.0951
Hunter-Lab	71.0402, 0.0587, 13.2634

Details

The XYZ color **49.5009, 50.4671, 43.6914** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.7259, 48.1629, 64.6971**, and the grayscale version is **48.3825, 50.9022, 55.4325**.

A 20% lighter version of the original color is **85.8801, 89.4445, 81.8454**, and **23.9235, 24.2244, 19.6345** is the 20% darker color. If you saturate the color by 10%, you get **45.5826, 45.4265, 33.7648**, and if you desaturate by 10%, it is **53.8936, 55.9749, 55.2595**.

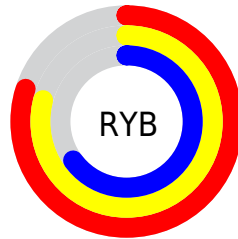
Distribution



Red (80%)

Green (73%)

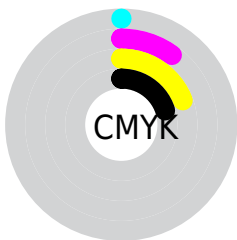
Blue (65%)



Red (80%)

Yellow (79%)

Blue (65%)

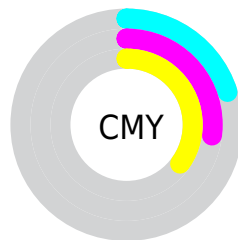


Cyan (0%)

Magenta (10%)

Yellow (19%)

Black (20%)



Cyan (20%)


Magenta (27%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5009, 50.4671, 43.6914 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 49.5009, 50.4671, 43.6914 by changing the saturation by 10% instead.


 49.5009, 50.4671,
43.6914


 49.5009, 50.4671,
43.6914

375.1953,
388.4898, 377.4519

 35.2332, 35.7847,
30.0926

 88.6312, 90.8666,
82.0507

 24.0099, 24.2679,
19.6562

 114.2245,
117.3524, 107.6482

 15.4657, 15.5325,
11.9638


144.3236,
148.5415, 138.0824

 9.2353, 9.1940,
6.5968

179.2941,
184.8183, 173.7718

 4.9533, 4.8679,
3.1366

219.5011,
226.5671, 215.1349

 2.2544, 2.1700,
1.1648

265.3100,

 0.7712, 0.7035,

274.1723, 262.5902

0.0000

317.0863,
328.0184, 316.5564

■ 0.0000, 0.0000,
0.0000

■ 49.5009, 50.4671,
43.6914

■ 49.5009, 50.4671,
43.6914

■ 45.5826, 45.4265,
33.7648

■ 53.8936, 55.9749,
55.2595

■ 42.1167, 40.8331,
25.4009

■ 58.7736, 61.9557,
68.5365

■ 39.0856, 36.6752,
18.5191

■ 64.1580, 68.4239,
83.5901

■ 36.4683, 32.9382,
13.0302

■ 70.0622, 75.3909,
100.4832

■ 34.2422, 29.6060,
8.8354

■ 74.0766, 81.8983,
106.5114

■ 32.3820, 26.6616,
5.8225

■ 77.3286, 88.4025,
107.5955

■ 30.8582, 24.0859,
3.8598

■ 78.9870, 91.7192,
108.1483

■ 29.6275, 21.8539,
2.7429

■ 29.4635, 21.5521,
2.6071

Harmonies

Analogous

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



51.4816, 50.4671, 47.0327



49.5009, 50.4671, 43.6914



47.1684, 50.4671, 43.2229

Triad

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



49.5009, 50.4671, 43.6914



43.6758, 50.4671, 57.2835



50.9358, 50.4671, 65.3757

Complementary

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



49.5009, 50.4671, 43.6914



44.7259, 48.1629, 64.6971

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.



48.7755, 50.4671, 68.6270



49.5009, 50.4671, 43.6914



44.6170, 50.4671, 63.7096

Square

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



49.5009, 50.4671, 43.6914



43.8557, 50.4671, 50.7180



46.4660, 50.4671, 67.9937



52.3285, 50.4671, 59.4113

Rectangle

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



49.5009, 50.4671, 43.6914



45.7341, 50.4671, 44.5585



46.4660, 50.4671, 67.9937



50.2724, 50.4671, 66.8433

Sweetspot

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



49.5023, 50.4694, 43.6925



90.1688, 94.0238, 95.6006



47.9944, 44.2166, 53.1692



19.1900, 19.9895, 20.1662



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.



49.5023, 50.4694, 43.6925



78.5922, 79.4889, 65.1726



53.6820, 58.8288, 45.0857



11.6433, 12.0756, 11.7966



18.4357, 13.6044, 1.6542



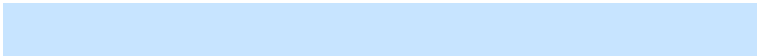
1.0269, 0.8534, 0.1106

Inverse Universe

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



44.7259, 48.1629, 64.6971



69.4359, 75.0669, 105.4374



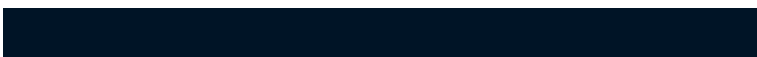
41.0084, 40.7279, 63.4580



11.0821, 11.8047, 14.2648



10.2860, 9.5960, 37.2664



0.6063, 0.6464, 1.9477

Previews

White Background



This preview shows how the XYZ color 49.5009, 50.4671, 43.6914 looks on a white background.

Color Contrast Check

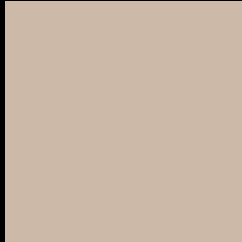
Large Text (above 18pt) WCAG AA × Fail

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 49.5009, 50.4671, 43.6914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

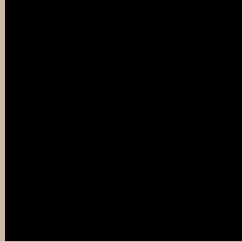
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5009, 50.4671, 43.6914

Background



This preview shows how black text looks on a background with the XYZ color 49.5009, 50.4671, 43.6914.



This preview shows how white text looks on a background with the XYZ color 49.5009, 50.4671,

43.6914.

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

49.5009, 50.4671, 43.6914

Protanopia

47.8161, 50.5294, 44.2788

Deuteranopia

51.5274, 50.5792, 44.0928



Tritanopia

52.6687, 50.5432, 58.6096

Trichromacy



Original Color

49.5009, 50.4671, 43.6914

Protanomaly

48.3914, 50.5099, 44.2447

Deuteranomaly

50.8653, 50.5430, 44.1207

Tritanomaly

51.4973, 50.3686, 52.9068

Monochromacy



Original Color

49.5009, 50.4671, 43.6914

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.8294, 50.9047, 50.9681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5009, 50.4671, 43.6914 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(205, 185, 167)` looks like.

```
.text, #text, p{  
    color:rgb(205, 185, 167)  
}
```

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(205, 185, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 185, 167) }
```

Border

The CSS property to change the border of an element to XYZ 49.5009, 50.4671, 43.6914 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(205, 185, 167) }
```


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

```
.border{ border-color:rgb(205, 185, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 185, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 185, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 185, 167);  
box-shadow:4px 4px 4px 4px rgb(205, 185,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5009, 50.4671, 43.6914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 185, 167) }
```

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

```
.background{ background-color: rgb(205,  
185, 167) }
```

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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