

Converting Colors

XYZ(51.2784, 54.4848, 44.6638)

Have a look what the booklet for
XYZ(51.2784, 54.4848, 44.6638)
contains.

XYZ(51.4848, 54.6947, 44.8894)	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(51.4848, 54.6947,
44.8894)**

Conversions

Conversions Part 1

Format	Color
Hex	CCC3A8
RGB	204, 195, 168
RGB Percent	80%, 76%, 66%
CMY	0.2000, 0.2353, 0.3412
CMYK	0.00, 0.04, 0.18, 0.20
HSL	45°, 26%, 73%
HSV	45°, 18%, 80%
XYZ	51.4848, 54.6947, 44.8894
YIQ	194.6130, 14.0310, -6.4890

Conversions

Conversions Part 2

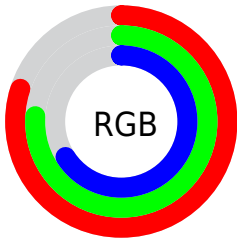
Format	Color
RYB	180, 204, 168
Decimal	13419432
CIELab	78.87, -1.32, 14.71
CIELCh	79, 14.766, 95.119
Yxy	54.6947, 0.3408, 0.3621
Android (android.graphics.Color)	4291609512 (0xFFCCC3A8)
YUV	194.6130, -13.1202, 8.2324
Hunter-Lab	73.9559, -5.1590, 15.7815

Details

The XYZ color **51.4848, 54.6947, 44.8894** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.7695, 44.1278, 63.3904**, and the grayscale version is **51.7124, 54.4055, 59.2476**.

A 20% lighter version of the original color is **89.3697, 96.2085, 83.6719**, and **25.2549, 26.7947, 20.3638** is the 20% darker color. If you saturate the color by 10%, you get **48.6092, 51.7498, 35.2786**, and if you desaturate by 10%, it is **54.7005, 57.8418, 56.0858**.

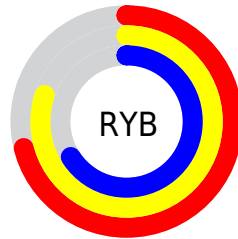
Distribution



Red (80%)

Green (76%)

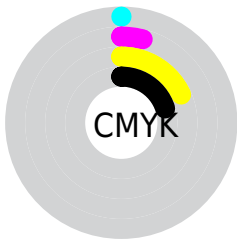
Blue (66%)



Red (71%)

Yellow (80%)

Blue (66%)

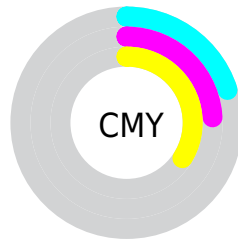


Cyan (0%)

Magenta (4%)

Yellow (18%)

Black (20%)



Cyan (20%)


Magenta (24%)


Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4848, 54.6947, 44.8894 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 51.4848, 54.6947, 44.8894 by changing the saturation by 10% instead.


 51.4848, 54.6947,
44.8894


 51.4848, 54.6947,
44.8894


382.8011,
404.7536, 382.4725

 36.8172, 39.1573,
31.0280


 91.5497, 97.0935,
83.8711

 25.2390, 26.8822,
20.3615


 117.6777,
124.7237, 109.8285

 16.3849, 17.4847,
12.4714


148.3566,
157.1537, 140.6550

 9.8895, 10.5807,
6.9392

183.9517,
194.7678, 176.7691

 5.3875, 5.7856,
3.3462

224.8283,
237.9505, 218.5893

 2.5134, 2.7152,
1.2740

271.3519,

 0.9020, 0.9849,

287.0861, 266.5343

0.0404

323.8877,
342.5590, 321.0225

■ 0.0000, 0.0000,
0.0000

■ 51.4848, 54.6947,
44.8894

■ 51.4848, 54.6947,
44.8894

■ 48.6092, 51.7498,
35.2786

■ 54.7005, 57.8418,
56.0858

■ 46.0551, 48.9934,
27.1769

■ 58.2653, 61.1896,
68.9328

■ 43.8086, 46.4212,
20.5064

■ 62.1933, 64.7463,
83.4959

■ 41.8530, 44.0259,
15.1811

■ 66.4962, 68.5172,
99.8359

■ 40.1697, 41.7995,
11.1054

■ 68.6748, 71.5031,
104.7897

■ 38.7379, 39.7328,
8.1712

■ 70.0372, 74.2278,
105.2438

■ 37.5332, 37.8156,
6.2521

■ 71.4408, 77.0350,
105.7116

■ 36.5209, 36.0332,
5.1681

■ 72.8859, 79.9252,
106.1933

■ 36.2972, 35.6279,
4.9638

■ 74.3728, 82.8991,
106.6890

Harmonies

Analogous

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



54.3914, 54.6947, 46.0866



51.4848, 54.6947, 44.8894



48.8126, 54.6947, 47.3103

Triad

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



51.4848, 54.6947, 44.8894



47.5137, 54.6947, 69.3223



57.2641, 54.6947, 66.6005

Complementary

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



51.4848, 54.6947, 44.8894



42.7695, 44.1278, 63.3904

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.



55.2933, 54.6947, 73.7447



51.4848, 54.6947, 44.8894



49.6519, 54.6947, 75.4167

Square

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



51.4848, 54.6947, 44.8894



46.5755, 54.6947, 61.0039



52.4898, 54.6947, 77.1062



57.7993, 54.6947, 58.1257

Rectangle

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



51.4848, 54.6947, 44.8894



47.5011, 54.6947, 50.7972



52.4898, 54.6947, 77.1062



56.7440, 54.6947, 69.2617

Sweetspot

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



51.4863, 54.6971, 44.8906



92.0566, 97.1899, 98.1090



46.8409, 44.0177, 47.6232



19.6165, 20.7196, 20.6870



0.0000, 0.0000, 0.0000



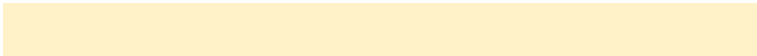
20.3446, 21.4041, 23.3091

Same Dimension

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



51.4863, 54.6971, 44.8906



83.4744, 88.7758, 68.2722



51.1669, 57.6154, 45.4707



11.9072, 12.6034, 11.8846



22.9229, 22.5787, 3.1500



1.2404, 1.2805, 0.1818

Inverse Universe

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



42.7695, 44.1278, 63.3904



66.5160, 68.2149, 104.2688



43.0338, 41.7128, 62.9103



10.8257, 11.2919, 14.1794



7.6675, 4.3590, 36.3935



0.4576, 0.3490, 1.8982

Previews

White Background



This preview shows how the XYZ color 51.4848, 54.6947, 44.8894 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 51.4848, 54.6947, 44.8894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

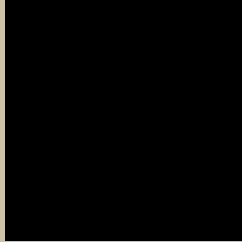
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

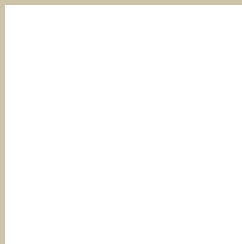
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.4848, 54.6947, 44.8894

Background



This preview shows how black text looks on a background with the XYZ color 51.4848, 54.6947, 44.8894.

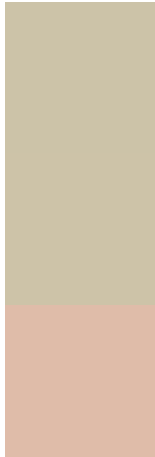


This preview shows how white text looks on a background with the XYZ color 51.4848, 54.6947,

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

51.4848, 54.6947, 44.8894

Protanopia

51.7598, 54.8365, 44.9023

Deuteranopia

55.5761, 54.5190, 45.1302



Tritanopia

55.7274, 54.7900, 65.3960

Trichromacy



Original Color

51.4848, 54.6947, 44.8894

Protanomaly

51.7598, 54.8365, 44.9023

Deuteranomaly

54.1111, 54.7251, 45.2472

Tritanomaly

54.0962, 54.7704, 57.5897

Monochromacy



Original Color

51.4848, 54.6947, 44.8894

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

51.5608, 54.5388, 53.7084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4848, 54.6947, 44.8894 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, 195, 168)` looks like.

```
.text, #text, p{  
    color:rgb(204, 195, 168)  
}
```

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, 195, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 195, 168) }
```

Border

The CSS property to change the border of an element to XYZ 51.4848, 54.6947, 44.8894 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, 195, 168) }
```


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

```
.border{ border-color:rgb(204, 195, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 195, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(204, 195, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(204, 195, 168); box-shadow:4px 4px 4px 4px rgb(204, 195, 168) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4848, 54.6947, 44.8894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 195, 168) }
```

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

```
.background{ background-color: rgb(204,  
195, 168) }
```

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