

Converting Colors

XYZ(47.8846, 52.9056, 45.6463)

Have a look what the booklet for
XYZ(47.8846, 52.9056, 45.6463)
contains.

XYZ(47.7571, 52.7513, 45.6952)	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(47.7571, 52.7513,
45.6952)**

Conversions

Conversions Part 1

Format	Color
Hex	BDC3AA
RGB	189, 195, 170
RGB Percent	74%, 76%, 67%
CMY	0.2588, 0.2353, 0.3333
CMYK	0.03, 0.00, 0.13, 0.24
HSL	74°, 17%, 72%
HSV	74°, 13%, 76%
XYZ	47.7571, 52.7513, 45.6952
YIQ	190.3560, 4.4490, -9.0470

Conversions

Conversions Part 2

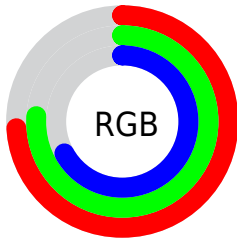
Format	Color
RYB	170, 195, 176
Decimal	12436394
CIELab	77.73, -6.50, 11.86
CIELCh	78, 13.526, 118.724
Yxy	52.7513, 0.3266, 0.3608
Android (android.graphics.Color)	4290626474 (0xFFBDC3AA)
YUV	190.3560, -10.0355, -1.1892
Hunter-Lab	72.6301, -9.7320, 13.5388

Details

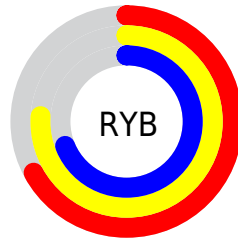
The XYZ color **47.7571, 52.7513, 45.6952** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.1316, 41.9211, 57.5036**, and the grayscale version is **49.2043, 51.7667, 56.3740**.

A 20% lighter version of the original color is **86.0572, 94.4695, 84.9329**, and **22.9482, 25.5920, 20.8698** is the 20% darker color. If you saturate the color by 10%, you get **44.9052, 51.4802, 36.6361**, and if you desaturate by 10%, it is **50.9230, 54.1558, 56.1995**.

Distribution



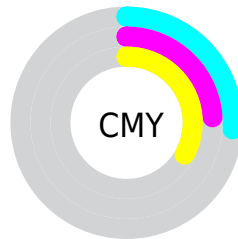
- Red (74%)
- Green (76%)
- Blue (67%)



- Red (67%)
- Yellow (76%)
- Blue (69%)



- Cyan (3%)
- Magenta (0%)
- Yellow (13%)
- Black (24%)





- Cyan (26%)
- Magenta (24%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7571, 52.7513, 45.6952 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 47.7571, 52.7513, 45.6952 by changing the saturation by 10% instead.


 47.7571, 52.7513,
45.6952

 47.7571, 52.7513,
45.6952

368.4272,
397.3302, 385.8238

 33.8450, 37.6043,
31.6584


 86.0545, 94.2383,
85.0921

 22.9369, 25.6757,
20.8381


111.1706,
121.3471, 111.2894

 14.6674, 16.5812,
12.8156


140.7520,
153.2119, 142.3772

 8.6711, 9.9363,
7.1725

175.1642,
190.2171, 178.7741

 4.5826, 5.3568,
3.4901

214.7724,
232.7472, 220.8987

 2.0367, 2.4581,
1.3500

259.9421,

 0.6545, 0.8555,

281.1864, 269.1695

0.1023

311.0385,
335.9193, 324.0050

■ 0.0000, 0.0000,
0.0000

■ 47.7571, 52.7513,
45.6952

■ 47.7571, 52.7513,
45.6952

■ 44.9052, 51.4802,
36.6361

■ 50.9230, 54.1558,
56.1995

■ 42.3507, 50.3307,
28.9557

■ 54.4104, 55.6914,
68.2051

■ 40.0818, 49.2997,
22.5870


■ 58.2315, 57.3650,
81.7689


■ 38.0842, 48.3813,
17.4564

■ 62.3967, 59.1807,
96.9441


■ 36.3421, 47.5694,
13.4830


■ 64.8368, 60.3108,
102.8316

 34.8378, 46.8567,
10.5761


 66.2098, 61.0187,
102.8959

 33.5514, 46.2352,
8.6317

 67.6224, 61.7469,
102.9620

 32.4587, 45.6953,
7.5247

 69.0747, 62.4956,
103.0300

 31.7616, 45.3451,
7.0785

 70.5673, 63.2650,
103.0998

Harmonies

Analogous

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



50.2508, 52.7513, 44.1913



47.7571, 52.7513, 45.6952



45.9565, 52.7513, 50.2703

Triad

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



47.7571, 52.7513, 45.6952



47.5693, 52.7513, 70.6664



55.3435, 52.7513, 57.7590

Complementary

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



47.7571, 52.7513, 45.6952



42.1316, 41.9211, 57.5036

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.



54.5669, 52.7513, 65.2549



47.7571, 52.7513, 45.6952



50.0264, 52.7513, 73.0961

Square

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



47.7571, 52.7513, 45.6952



45.8507, 52.7513, 64.6509



52.5978, 52.7513, 71.0359



54.6856, 52.7513, 50.7811

Rectangle

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



47.7571, 52.7513, 45.6952



45.3603, 52.7513, 54.6629



52.5978, 52.7513, 71.0359



55.2411, 52.7513, 60.3038

Sweetspot

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



47.7585, 52.7536, 45.6963



90.4652, 96.6644, 98.1719



45.2559, 45.4913, 44.4265



19.7126, 21.1250, 21.1680



0.0000, 0.0000, 0.0000



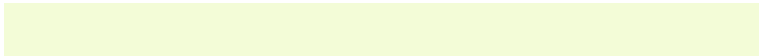
20.3446, 21.4041, 23.3091

Same Dimension

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



47.7585, 52.7536, 45.6963



84.2496, 93.9070, 77.6945



44.8282, 51.2430, 45.5592



10.6695, 11.6326, 10.7448



20.7205, 29.5106, 4.6040



0.9536, 1.3052, 0.2017

Inverse Universe

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



42.1316, 41.9211, 57.5036



72.4762, 71.2408, 102.4007



45.0481, 43.4246, 57.6400



9.7498, 9.8621, 12.6745



7.2229, 2.9840, 33.7519



0.3763, 0.1620, 1.4613

Previews

White Background



This preview shows how the XYZ color 47.7571, 52.7513, 45.6952 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 47.7571, 52.7513, 45.6952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

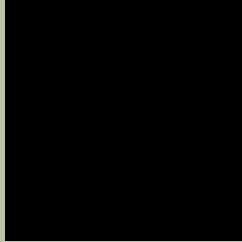
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

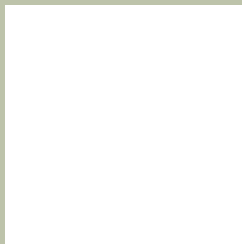
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.7571, 52.7513, 45.6952

Background



This preview shows how black text looks on a background with the XYZ color 47.7571, 52.7513, 45.6952.



This preview shows how white text looks on a background with the XYZ color 47.7571, 52.7513,

45.6952.

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

47.7571, 52.7513, 45.6952

Protanopia

49.7861, 52.5063, 44.5565

Deuteranopia

53.7088, 52.5819, 46.3483



Tritanopia

51.6810, 52.7040, 65.2066

Trichromacy



Original Color

47.7571, 52.7513, 45.6952

Protanomaly

49.0370, 52.4342, 45.0724

Deuteranomaly

51.2804, 52.6009, 45.9783

Tritanomaly

50.1023, 52.7115, 57.4028

Monochromacy



Original Color

47.7571, 52.7513, 45.6952

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.6321, 52.0653, 52.2862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7571, 52.7513, 45.6952 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(189, 195, 170)` looks like.

```
.text, #text, p{  
    color:rgb(189, 195, 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(189, 195, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 195, 170) }
```

Border

The CSS property to change the border of an element to XYZ 47.7571, 52.7513, 45.6952 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(189, 195, 170) }
```


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

```
.border{ border-color:rgb(189, 195, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 195, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 195, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 195, 170);  
box-shadow:4px 4px 4px 4px rgb(189, 195,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7571, 52.7513, 45.6952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 195, 170) }
```

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

```
.background{ background-color: rgb(189,  
195, 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](#).

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