

Converting Colors

XYZ(48.6526, 51.9384, 44.9286)

Have a look what the booklet for
XYZ(48.6526, 51.9384, 44.9286)
contains.

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Color

**XYZ(48.5572, 51.8619,
44.9872)**

Conversions

Conversions Part 1

Format	Color
Hex	C4BFA9
RGB	196, 191, 169
RGB Percent	77%, 75%, 66%
CMY	0.2314, 0.2510, 0.3372
CMYK	0.00, 0.03, 0.14, 0.23
HSL	49°, 19%, 72%
HSV	49°, 14%, 77%
XYZ	48.5572, 51.8619, 44.9872
YIQ	189.9870, 10.0420, -5.7820

Conversions

Conversions Part 2

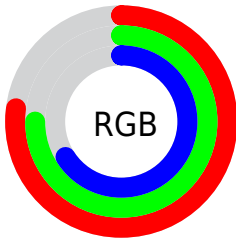
Format	Color
RYB	175, 196, 169
Decimal	12894121
CIELab	77.20, -2.01, 11.73
CIELCh	77, 11.896, 99.724
Yxy	51.8619, 0.3339, 0.3567
Android (android.graphics.Color)	4291084201 (0xFFC4BFA9)
YUV	189.9870, -10.3466, 5.2734
Hunter-Lab	72.0152, -5.6706, 13.3728

Details

The XYZ color **48.5572, 51.8619, 44.9872** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **41.4620, 42.6919, 58.2802**, and the grayscale version is **48.9909, 51.5422, 56.1295**.

A 20% lighter version of the original color is **87.2233, 92.7860, 83.8333**, and **23.4547, 25.2121, 20.4598** is the 20% darker color. If you saturate the color by 10%, you get **46.0727, 49.6198, 35.7514**, and if you desaturate by 10%, it is **51.3400, 54.2581, 55.6846**.

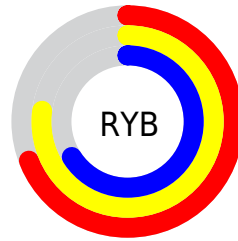
Distribution



Red (77%)

Green (75%)

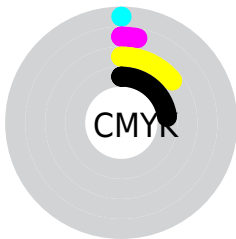
Blue (66%)



Red (69%)

Yellow (77%)

Blue (66%)

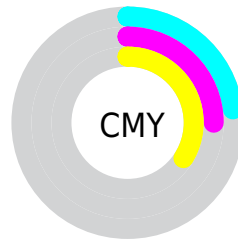


Cyan (0%)

Magenta (3%)

Yellow (14%)

Black (23%)



Cyan (23%)

Magenta (25%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5572, 51.8619, 44.9872 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 48.5572, 51.8619, 44.9872 by changing the saturation by 10% instead.

■ 48.5572, 51.8619,
44.9872

■ 48.5572, 51.8619,
44.9872

371.5424,
393.9032, 382.8803

■ 34.4814, 36.8950,
31.1045

■ 87.2381, 92.9275,
84.0194

■ 23.4283, 25.1262,
20.4193

112.5740,
119.7951, 110.0060

■ 15.0325, 16.1711,
12.5131

142.3940,
151.3983, 140.8644

■ 8.9287, 9.6453,
6.9674

177.0634,
188.1216, 177.0129

■ 4.7514, 5.1644,
3.3636

216.9476,
230.3493, 218.8702

■ 2.1354, 2.3441,
1.2831

262.4119,

■ 0.7084, 0.7969,

278.4659, 266.8549

0.0479

313.8217,
332.8557, 321.3854

■ 0.0000, 0.0000,
0.0000

■ 48.5572, 51.8619,
44.9872

■ 48.5572, 51.8619,
44.9872

■ 46.0727, 49.6198,
35.7514

■ 51.3400, 54.2581,
55.6846

■ 43.8699, 47.5198,
27.9093

■ 54.4284, 56.8064,
67.9007

■ 41.9369, 45.5586,
21.3927

■ 57.8350, 59.5137,
81.6936

■ 40.2593, 43.7303,
16.1264

■ 61.5699, 62.3844,
97.1175

■ 38.8212, 42.0281,
12.0275

■ 63.6499, 64.6253,
103.7270

■ 37.6048, 40.4449,
9.0032

■ 64.5507, 66.4270,
104.0272

■ 36.5897, 38.9721,
6.9462

■ 65.4720, 68.2695,
104.3343

■ 35.7512, 37.5998,
5.7275

■ 66.4137, 70.1530,
104.6482

■ 35.2895, 36.7845,
5.2402

■ 67.3762, 72.0778,
104.9690

Harmonies

Analogous

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



50.8264, 51.8619, 45.5022



48.5572, 51.8619, 44.9872



46.5471, 51.8619, 47.3613

Triad

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



48.5572, 51.8619, 44.9872



46.0011, 51.8619, 64.8694



53.5163, 51.8619, 60.9275

Complementary

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



48.5572, 51.8619, 44.9872



41.4620, 42.6919, 58.2802

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.



52.1452, 51.8619, 66.6749



48.5572, 51.8619, 44.9872



47.7911, 51.8619, 69.0695

Square

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



48.5572, 51.8619, 44.9872



45.1016, 51.8619, 58.6138



50.0366, 51.8619, 69.7545



53.7367, 51.8619, 54.3768

Rectangle

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



48.5572, 51.8619, 44.9872



45.6071, 51.8619, 50.3787



50.0366, 51.8619, 69.7545



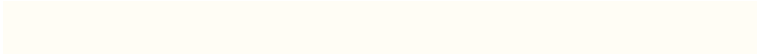
53.1727, 51.8619, 63.0309

Sweetspot

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



48.5586, 51.8642, 44.9883



92.8517, 98.1620, 100.2796



44.6326, 43.1840, 46.2328



19.7878, 20.9378, 21.1279



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.



48.5586, 51.8642, 44.9883



86.3336, 92.5040, 75.3609



47.6164, 53.0237, 45.2618



10.7499, 11.4311, 10.7017



22.7333, 23.7524, 3.3865



1.0243, 1.1104, 0.1603

Inverse Universe

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



41.4620, 42.6919, 58.2802



70.6077, 72.1794, 104.8183



42.3067, 41.7211, 58.0483



9.6758, 10.0428, 12.7133



6.8596, 3.4757, 33.8660



0.3432, 0.2438, 1.4789

Previews

White Background



This preview shows how the XYZ color 48.5572, 51.8619, 44.9872 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 48.5572, 51.8619, 44.9872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

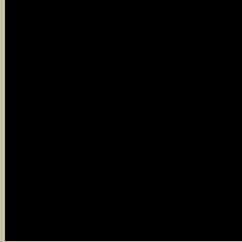
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

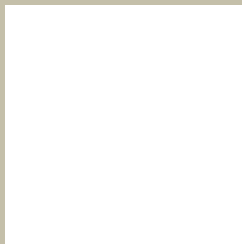
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.5572, 51.8619, 44.9872

Background



This preview shows how black text looks on a background with the XYZ color 48.5572, 51.8619, 44.9872.



This preview shows how white text looks on a background with the XYZ color 48.5572, 51.8619,

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

48.5572, 51.8619, 44.9872

Protanopia

49.0345, 51.7962, 44.4591

Deuteranopia

52.7151, 51.7822, 45.2468



Tritanopia

51.9209, 51.6142, 62.4844

Trichromacy



Original Color

48.5572, 51.8619, 44.9872

Protanomaly

48.7700, 51.6598, 44.4467

Deuteranomaly

51.3205, 51.9982, 45.3620

Tritanomaly

50.7217, 51.7827, 55.4658

Monochromacy



Original Color

48.5572, 51.8619, 44.9872

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.5952, 51.4108, 51.6180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5572, 51.8619, 44.9872 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(196, 191, 169)` looks like.

```
.text, #text, p{  
    color:rgb(196, 191, 169)  
}
```

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(196, 191, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 191, 169) }
```

Border

The CSS property to change the border of an element to XYZ 48.5572, 51.8619, 44.9872 is called "border". The border property can be set on classes, ids or directly on the HTML element.

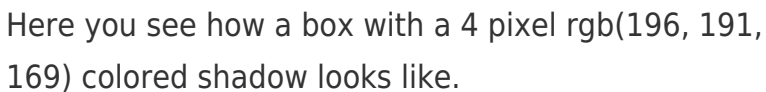
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 191, 169) }
```


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

```
.border{ border-color:rgb(196, 191, 169) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 191, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 191, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 191, 169); box-shadow:4px 4px 4px 4px rgb(196, 191, 169) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5572, 51.8619, 44.9872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 191, 169) }
```

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

```
.background{ background-color: rgb(196,  
191, 169) }
```

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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