

Converting Colors

XYZ(49.5639, 52.8856, 46.5880)

Have a look what the booklet for
XYZ(49.5639, 52.8856, 46.5880)
contains.

XYZ(49.5423, 52.9888, 46.6464)	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(49.5423, 52.9888,
46.6464)**

Conversions

Conversions Part 1

Format	Color
Hex	C5C1AC
RGB	197, 193, 172
RGB Percent	77%, 76%, 67%
CMY	0.2274, 0.2431, 0.3255
CMYK	0.00, 0.02, 0.13, 0.23
HSL	50°, 18%, 72%
HSV	50°, 13%, 77%
XYZ	49.5423, 52.9888, 46.6464
YIQ	191.8020, 9.1250, -5.6830

Conversions

Conversions Part 2

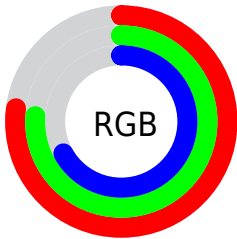
Format	Color
RYB	177, 197, 172
Decimal	12960172
CIELab	77.87, -2.21, 11.07
CIELCh	78, 11.291, 101.304
Yxy	52.9888, 0.3321, 0.3552
Android (android.graphics.Color)	4291150252 (0xFFC5C1AC)
YUV	191.8020, -9.7624, 4.5586
Hunter-Lab	72.7934, -5.9035, 12.9620

Details

The XYZ color **49.5423, 52.9888, 46.6464** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.6165, 43.8517, 59.0418**, and the grayscale version is **50.0400, 52.6460, 57.3315**.

A 20% lighter version of the original color is **88.6139, 94.3682, 86.2175**, and **24.0959, 25.9519, 21.5085** is the 20% darker color. If you saturate the color by 10%, you get **47.1007, 50.9119, 37.1799**, and if you desaturate by 10%, it is **52.2821, 55.2122, 57.5974**.

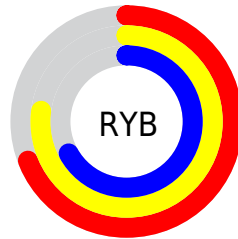
Distribution



Red (77%)

Green (76%)

Blue (67%)



Red (69%)

Yellow (77%)

Blue (67%)

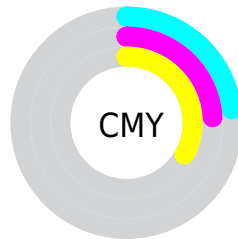


Cyan (0%)

Magenta (2%)

Yellow (13%)

Black (23%)



Cyan (23%)

Magenta (24%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5423, 52.9888, 46.6464 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 49.5423, 52.9888, 46.6464 by changing the saturation by 10% instead.

■ 49.5423, 52.9888,
46.6464

■ 49.5423, 52.9888,
46.6464

375.3550,
398.2422, 389.7542

■ 35.2662, 37.7938,
32.4039

■ 88.6922, 94.5879,
86.5300

■ 24.0355, 25.8227,
21.4028

114.2968,
121.7608, 113.0082

■ 15.4848, 16.6911,
13.2246

144.4081,
153.6951, 144.4020

■ 9.2489, 10.0145,
7.4509

179.3917,
190.7753, 181.1299

■ 4.9623, 5.4086,
3.6629

219.6128,
233.3857, 223.6106

■ 2.2597, 2.4889,
1.4423

265.4368,

■ 0.7739, 0.8711,

281.9107, 272.2625

0.1744

317.2291,
336.7347, 327.5041

■ 0.0000, 0.0000,
0.0000

■ 49.5423, 52.9888,
46.6464

■ 49.5423, 52.9888,
46.6464

■ 47.1007, 50.9119,
37.1799

■ 52.2821, 55.2122,
57.5974

■ 44.9406, 48.9695,
29.1296

■ 55.3275, 57.5799,
70.0903

■ 43.0501, 47.1583,
22.4271

■ 58.6909, 60.0988,
84.1835

■ 41.4150, 45.4725,
16.9970

■ 62.3826, 62.7733,
99.9315

■ 40.0192, 43.9056,
12.7562

■ 63.8151, 64.5682,
103.7072

■ 38.8451, 42.4503,
9.6120

■ 64.5941, 66.1263,
103.9669

■ 37.8723, 41.0985,
7.4577

■ 65.3884, 67.7150,
104.2317

■ 37.0766, 39.8401,
6.1656

■ 66.1982, 69.3346,
104.5016

■ 36.5740, 38.9660,
5.5935

■ 67.0235, 70.9852,
104.7767

Harmonies

Analogous

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



51.7279, 52.9888, 46.9969



49.5423, 52.9888, 46.6464



47.6322, 52.9888, 49.0918

Triad

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



49.5423, 52.9888, 46.6464



47.2628, 52.9888, 66.0388



54.4646, 52.9888, 61.6536

Complementary

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



49.5423, 52.9888, 46.6464



42.6165, 43.8517, 59.0418

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.



53.1989, 52.9888, 67.2506



49.5423, 52.9888, 46.6464



49.0248, 52.9888, 69.9064

Square

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



49.5423, 52.9888, 46.6464



46.3418, 52.9888, 60.0953



51.1953, 52.9888, 70.3653



54.6130, 52.9888, 55.3610

Rectangle

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



49.5423, 52.9888, 46.6464



46.7556, 52.9888, 52.0898



51.1953, 52.9888, 70.3653



54.1540, 52.9888, 63.6902

Sweetspot

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



49.5437, 52.9911, 46.6475



92.9330, 98.3246, 100.3066



45.6321, 44.5173, 47.3491



19.8084, 20.9791, 21.1347



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.



49.5437, 52.9911, 46.6475



87.5724, 93.9378, 78.9915



48.3169, 53.6878, 46.8467



11.3740, 12.1171, 11.3021



24.1072, 25.7316, 3.6961



1.1812, 1.2979, 0.1883

Inverse Universe

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



42.6165, 43.8517, 59.0418



72.9423, 74.6360, 105.1695



43.7313, 43.2804, 58.8728



10.1913, 10.5568, 13.4180



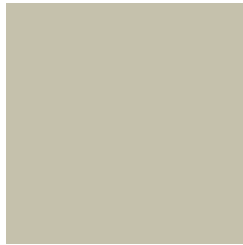
7.0001, 3.3941, 35.0305



0.3758, 0.2494, 1.6735

Previews

White Background



This preview shows how the XYZ color 49.5423, 52.9888, 46.6464 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 49.5423, 52.9888, 46.6464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

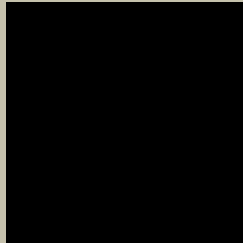
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5423, 52.9888, 46.6464

Background



This preview shows how black text looks on a background with the XYZ color 49.5423, 52.9888, 46.6464.



This preview shows how white text looks on a background with the XYZ color 49.5423, 52.9888,

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

49.5423, 52.9888, 46.6464

Protanopia

50.2877, 53.0571, 46.1187

Deuteranopia

54.0152, 53.0404, 46.9261



Tritanopia

52.8501, 52.6957, 63.8857

Trichromacy



Original Color

49.5423, 52.9888, 46.6464

Protanomaly

50.0197, 52.9189, 46.1061

Deuteranomaly

52.3188, 53.1140, 47.0297

Tritanomaly

51.7473, 52.9120, 57.3548

Monochromacy



Original Color

49.5423, 52.9888, 46.6464

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.8547, 52.6714, 53.4379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5423, 52.9888, 46.6464 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(197, 193, 172)` looks like.

```
.text, #text, p{  
    color:rgb(197, 193, 172)  
}
```

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(197, 193, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 193, 172) }
```

Border

The CSS property to change the border of an element to XYZ 49.5423, 52.9888, 46.6464 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(197, 193, 172) }
```


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

```
.border{ border-color:rgb(197, 193, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 193, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 193, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 193, 172);  
box-shadow:4px 4px 4px 4px rgb(197, 193,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5423, 52.9888, 46.6464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 193, 172) }
```

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

```
.background{ background-color: rgb(197,  
193, 172) }
```

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