

Converting Colors

XYZ(49.8479, 52.9657, 46.0127)

Have a look what the booklet for
XYZ(49.8479, 52.9657, 46.0127)
contains.

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Color

**XYZ(49.7535, 52.7817,
46.0937)**

Conversions

Conversions Part 1

Format	Color
Hex	C7C0AB
RGB	199, 192, 171
RGB Percent	78%, 75%, 67%
CMY	0.2196, 0.2470, 0.3294
CMYK	0.00, 0.04, 0.14, 0.22
HSL	45°, 20%, 73%
HSV	45°, 14%, 78%
XYZ	49.7535, 52.7817, 46.0937
YIQ	191.6990, 10.9130, -5.0470

Conversions

Conversions Part 2

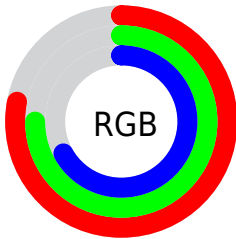
Format	Color
RYB	180, 199, 171
Decimal	13090987
CIELab	77.75, -1.11, 11.46
CIELCh	78, 11.512, 95.555
Yxy	52.7817, 0.3347, 0.3551
Android (android.graphics.Color)	4291281067 (0xFFC7C0AB)
YUV	191.6990, -10.2046, 6.4030
Hunter-Lab	72.6510, -4.8974, 13.2390

Details

The XYZ color **49.7535, 52.7817, 46.0937** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.0236, 44.6213, 60.3783**, and the grayscale version is **49.9818, 52.5847, 57.2647**.

A 20% lighter version of the original color is **88.5349, 93.8858, 85.4070**, and **24.2394, 25.8169, 21.1584** is the 20% darker color. If you saturate the color by 10%, you get **46.9248, 49.9346, 36.4865**, and if you desaturate by 10%, it is **52.9075, 55.8215, 57.2196**.

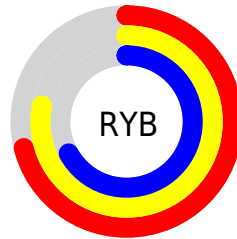
Distribution



Red (78%)

Green (75%)

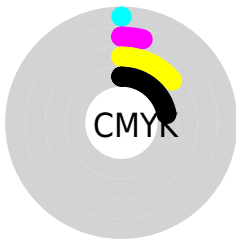
Blue (67%)



Red (71%)

Yellow (78%)

Blue (67%)

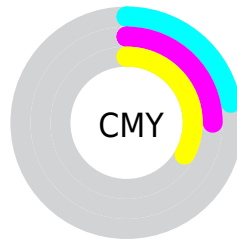


Cyan (0%)

Magenta (4%)

Yellow (14%)

Black (22%)



Cyan (22%)


Magenta (25%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7535, 52.7817, 46.0937 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 49.7535, 52.7817, 46.0937 by changing the saturation by 10% instead.


 49.7535, 52.7817,
46.0937

 49.7535, 52.7817,
46.0937


376.1691,
397.4470, 387.4737

 35.4346, 37.6285,
31.9706


 89.0036, 94.2831,
85.6950

 24.1659, 25.6945,
21.0744


114.6654,
121.4000, 112.0102

 15.5821, 16.5952,
12.9866

144.8389,
153.2738, 143.2265

 9.3179, 9.9463,
7.2887

179.8895,
190.2886, 179.7625

 5.0079, 5.3634,
3.5621

220.1824,
232.8289, 222.0367

 2.2867, 2.4620,
1.3883

266.0831,

 0.7878, 0.8575,

281.2792, 270.4676

0.1326

317.9569,
336.0238, 325.4738

■ 0.0000, 0.0000,
0.0000

■ 49.7535, 52.7817,
46.0937

■ 49.7535, 52.7817,
46.0937

■ 46.9248, 49.9346,
36.4865

■ 52.9075, 55.8215,
57.2196

■ 44.4042, 47.2673,
28.3275

■ 56.3949, 59.0525,
69.9237

■ 42.1790, 44.7761,
21.5457

■ 60.2287, 62.4823,
84.2665

■ 40.2339, 42.4541,
16.0625

■ 64.4199, 66.1156,
100.3043

■ 38.5522, 40.2943,
11.7916

■ 66.3814, 68.9183,
104.4116

■ 37.1151, 38.2883,
8.6361

■ 67.6813, 71.5182,
104.8449

■ 35.9011, 36.4270,
6.4842

■ 69.0202, 74.1959,
105.2912

■ 34.8840, 34.6992,
5.2005

■ 70.3983, 76.9521,
105.7506

■ 34.3453, 33.7260,
4.6996

■ 71.8160, 79.7876,
106.2232

Harmonies

Analogous

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



51.9629, 52.7817, 47.0001



49.7535, 52.7817, 46.0937



47.7152, 52.7817, 48.0473

Triad

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



49.7535, 52.7817, 46.0937



46.7592, 52.7817, 64.9109



54.1731, 52.7817, 62.7034

Complementary

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



49.7535, 52.7817, 46.0937



43.0236, 44.6213, 60.3783

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.



52.7023, 52.7817, 68.0511



49.7535, 52.7817, 46.0937



48.4138, 52.7817, 69.3903

Square

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



49.7535, 52.7817, 46.0937



46.0195, 52.7817, 58.6672



50.5836, 52.7817, 70.5799



54.5574, 52.7817, 56.2898

Rectangle

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



49.7535, 52.7817, 46.0937



46.7137, 52.7817, 50.8004



50.5836, 52.7817, 70.5799



53.7873, 52.7817, 64.6998

Sweetspot

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



49.7549, 52.7840, 46.0948



92.6433, 97.7451, 100.2101



46.1526, 44.4830, 48.2737



19.7349, 20.8321, 21.1102



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.



49.7549, 52.7840, 46.0948



85.4811, 90.7990, 75.0767



49.5128, 54.9940, 46.5342



11.2908, 11.9508, 11.2744



22.1571, 21.8313, 3.0461



1.1040, 1.1435, 0.1625

Inverse Universe

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



43.0236, 44.6213, 60.3783



71.3498, 73.6635, 105.0657



43.2325, 42.7151, 59.9994



10.2684, 10.7109, 13.4437



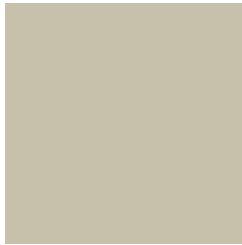
7.4140, 4.2219, 35.1685



0.4107, 0.3192, 1.6851

Previews

White Background



This preview shows how the XYZ color 49.7535, 52.7817, 46.0937 looks on a white background.

Color Contrast Check

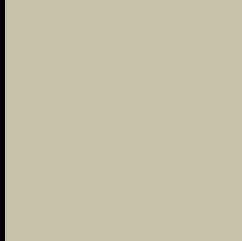
Large Text (above 18pt) WCAG AA × Fail

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 49.7535, 52.7817, 46.0937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

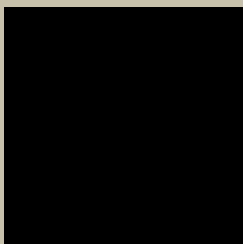
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

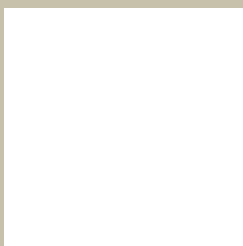
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7535, 52.7817, 46.0937

Background



This preview shows how black text looks on a background with the XYZ color 49.7535, 52.7817, 46.0937.



This preview shows how white text looks on a background with the XYZ color 49.7535, 52.7817,

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

49.7535, 52.7817, 46.0937

Protanopia

50.2877, 53.0571, 46.1187

Deuteranopia

53.7088, 52.5819, 46.3483



Tritanopia

53.0596, 52.5014, 63.2144

Trichromacy



Original Color

49.7535, 52.7817, 46.0937

Protanomaly

50.0197, 52.9189, 46.1061

Deuteranomaly

52.2936, 52.7939, 46.4638

Tritanomaly

51.9587, 52.7133, 56.7264

Monochromacy



Original Color

49.7535, 52.7817, 46.0937

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

50.0070, 52.7621, 52.8958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7535, 52.7817, 46.0937 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(199, 192, 171)` looks like.

```
.text, #text, p{  
    color:rgb(199, 192, 171)  
}
```

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(199, 192, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 192, 171) }
```

Border

The CSS property to change the border of an element to XYZ 49.7535, 52.7817, 46.0937 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(199, 192, 171) }
```


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

```
.border{ border-color:rgb(199, 192, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 192, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 192, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 192, 171);  
box-shadow:4px 4px 4px 4px rgb(199, 192,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7535, 52.7817, 46.0937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 192, 171) }
```

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

```
.background{ background-color: rgb(199,  
192, 171) }
```

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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