

Converting Colors

XYZ(49.9360, 47.8507, 62.4813)

Have a look what the booklet for
XYZ(49.9360, 47.8507, 62.4813)
contains.

XYZ(49.9360, 47.8507, 62.4813)	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(49.9360, 47.8507,
62.4813)**

Conversions

Conversions Part 1

Format	Color
Hex	C7B1CA
RGB	199, 177, 202
RGB Percent	78%, 69%, 79%
CMY	0.2196, 0.3059, 0.2078
CMYK	0.01, 0.12, 0.00, 0.21
HSL	293°, 19%, 74%
HSV	293°, 12%, 79%
XYZ	49.9360, 47.8507, 62.4813
YIQ	186.4280, 5.0870, 12.4390

Conversions

Conversions Part 2

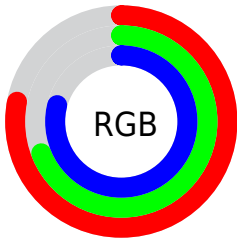
Format	Color
R _{YB}	199, 177, 202
Decimal	13087178
CIE Lab	74.73, 12.37, -9.77
CIE LCh	75, 15.764, 321.719
Yxy	47.8507, 0.3116, 0.2986
Android (android.graphics.Color)	4291277258 (0xFFC7B1CA)
YUV	186.4280, 7.6770, 11.0256
Hunter-Lab	69.1742, 7.8021, -5.1315

Details

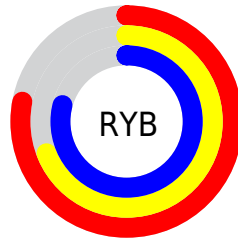
The XYZ color **49.9360, 47.8507, 62.4813** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.8805, 55.1199, 49.7131**, and the grayscale version is **46.8696, 49.3105, 53.6991**.

A 20% lighter version of the original color is **88.4289, 86.7578, 106.6930**, and **24.2300, 22.5732, 31.0970** is the 20% darker color. If you saturate the color by 10%, you get **45.6001, 40.1255, 61.2194**, and if you desaturate by 10%, it is **54.8756, 56.7665, 63.9426**.

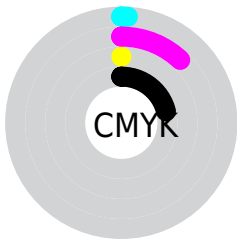
Distribution



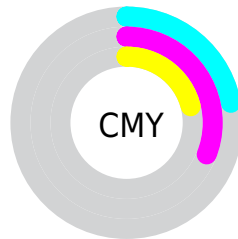
- Red (78%)
- Green (69%)
- Blue (79%)



- Red (78%)
- Yellow (69%)
- Blue (79%)



- Cyan (1%)
- Magenta (12%)
- Yellow (0%)
- Black (21%)



- Cyan (22%)
- Magenta (31%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9360, 47.8507, 62.4813 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 49.9360, 47.8507, 62.4813 by changing the saturation by 10% instead.

■ 49.9360, 47.8507,
62.4813

■ 49.9360, 47.8507,
62.4813

376.8717,
378.2000, 451.7406

■ 35.5801, 33.7087,
44.9834

■ 89.2724, 86.9821,
109.9992

■ 24.2787, 22.6699,
31.1015

114.9837,
112.7402, 140.8562

■ 15.6663, 14.3499,
20.4170

145.2108,
143.1391, 177.0035

■ 9.3777, 8.3645,
12.5115

180.3192,
178.5633, 218.8594

■ 5.0474, 4.3290,
6.9663

220.6741,
219.3971, 266.8425

■ 2.3102, 1.8593,
3.3629

266.6409,

■ 0.7999, 0.5237,

266.0249, 321.3714

1.2828

318.5850,
318.8311, 382.8645

■ 0.0000, 0.0000,
0.0476

■ 0.0000, 0.0000,
0.0000

■ 49.9360, 47.8507,
62.4813

■ 49.9360, 47.8507,
62.4813

■ 45.6001, 40.1255,
61.2194

■ 54.8756, 56.7665,
63.9426

■ 41.8377, 33.5330,
60.1452

■ 60.4388, 66.9152,
65.6083

■ 38.6225, 28.0196,
59.2505

■ 66.6502, 78.3447,
67.4870

■ 35.9242, 23.5252,
58.5252

■ 72.6300, 89.2956,
69.2856

■ 33.7098, 19.9835,
57.9583

■ 73.3199, 89.6513,
69.3179

■ 31.9421, 17.3205,
57.5375

■ 74.0202, 90.0123,
69.3507

■ 30.5787, 15.4512,
57.2485

■ 74.7311, 90.3788,
69.3839

■ 29.5685, 14.2738,
57.0745

■ 75.4525, 90.7507,
69.4177

■ 28.9656, 13.7008,
56.9957

■ 76.1846, 91.1281,
69.4519

Harmonies

Analogous

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



47.5464, 47.8507, 68.1470



49.9360, 47.8507, 62.4813



51.1432, 47.8507, 54.4030

Triad

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



49.9360, 47.8507, 62.4813



46.2774, 47.8507, 38.0170



40.5602, 47.8507, 58.1502

Complementary

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



49.9360, 47.8507, 62.4813



47.8805, 55.1199, 49.7131

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.



40.2523, 47.8507, 49.8655



49.9360, 47.8507, 62.4813



43.4756, 47.8507, 38.7955

Square

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



49.9360, 47.8507, 62.4813



48.9737, 47.8507, 40.6892



41.2985, 47.8507, 42.9397



42.1578, 47.8507, 65.4696

Rectangle

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



49.9360, 47.8507, 62.4813



51.0812, 47.8507, 48.9670



41.2985, 47.8507, 42.9397



40.3052, 47.8507, 55.3665

Sweetspot

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



49.9374, 47.8528, 62.4823



91.4330, 93.4324, 107.8230



45.1828, 46.3910, 62.4508



19.4290, 19.7422, 23.0366



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.



49.9374, 47.8528, 62.4823



82.3698, 77.1167, 105.1514



49.6878, 47.8458, 56.9724



11.5499, 11.3328, 14.1491



18.6889, 8.8420, 36.6779



1.0024, 0.4759, 1.8940

Inverse Universe

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



48.3192, 47.2983, 49.7652



79.0850, 75.9955, 79.1450



48.1344, 55.1417, 54.6557



11.2662, 11.2352, 11.9363



15.7988, 8.1301, 1.3934



0.8337, 0.4269, 0.1703

Previews

White Background



This preview shows how the XYZ color 49.9360, 47.8507, 62.4813 looks on a white background.

Color Contrast Check

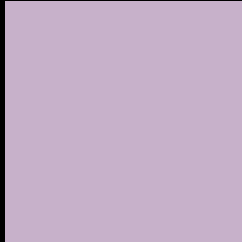
Large Text (above 18pt) WCAG AA × Fail

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 49.9360, 47.8507, 62.4813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

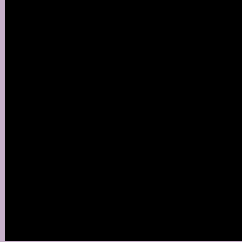
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9360, 47.8507, 62.4813

Background



This preview shows how black text looks on a background with the XYZ color 49.9360, 47.8507, 62.4813.



This preview shows how white text looks on a background with the XYZ color 49.9360, 47.8507,

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

49.9360, 47.8507, 62.4813

Protanopia

47.1301, 48.1470, 65.2018

Deuteranopia

49.0289, 47.9738, 62.5529



Tritanopia

49.0344, 48.0962, 57.1512

Trichromacy



Original Color

49.9360, 47.8507, 62.4813

Protanomaly

48.2824, 48.1469, 64.5061

Deuteranomaly

49.3460, 47.8408, 62.5105

Tritanomaly

49.1729, 47.8321, 58.8654

Monochromacy



Original Color

49.9360, 47.8507, 62.4813

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.9338, 48.7491, 56.7523

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9360, 47.8507, 62.4813 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, 177, 202)` looks like.

```
.text, #text, p{  
    color:rgb(199, 177, 202)  
}
```

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, 177, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 177, 202) }
```

Border

The CSS property to change the border of an element to XYZ 49.9360, 47.8507, 62.4813 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, 177, 202) }
```


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

```
.border{ border-color:rgb(199, 177, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 177, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 177, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 177, 202);  
box-shadow:4px 4px 4px 4px rgb(199, 177,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9360, 47.8507, 62.4813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 177, 202) }
```

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

```
.background{ background-color: rgb(199,  
177, 202) }
```

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