

Converting Colors

XYZ(49.4674, 47.7337, 63.6333)

Have a look what the booklet for
XYZ(49.4674, 47.7337, 63.6333)
contains.

XYZ(49.5844, 47.9362, 63.7660)	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(49.5844, 47.9362,
63.7660)**

Conversions

Conversions Part 1

Format	Color
Hex	C4B2CC
RGB	196, 178, 204
RGB Percent	77%, 70%, 80%
CMY	0.2314, 0.3019, 0.2000
CMYK	0.04, 0.13, 0.00, 0.20
HSL	282°, 20%, 75%
HSV	282°, 13%, 80%
XYZ	49.5844, 47.9362, 63.7660
YIQ	186.3460, 2.3820, 11.9020

Conversions

Conversions Part 2

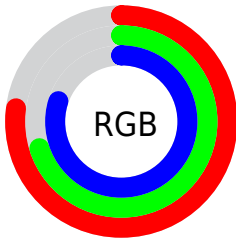
Format	Color
R _Y B	196, 178, 204
Decimal	12890828
CIE Lab	74.78, 11.19, -10.80
CIE LCh	75, 15.557, 316.011
Yxy	47.9362, 0.3074, 0.2972
Android (android.graphics.Color)	4291080908 (0xFFC4B2CC)
YUV	186.3460, 8.7034, 8.4666
Hunter-Lab	69.2360, 6.6725, -6.1406

Details

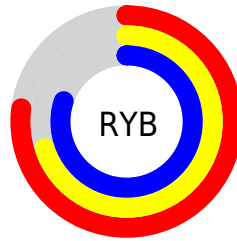
The XYZ color **49.5844, 47.9362, 63.7660** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **49.8803, 56.8405, 50.4643**, and the grayscale version is **46.8191, 49.2573, 53.6412**.

A 20% lighter version of the original color is **87.9808, 86.9483, 106.7533**, and **23.9940, 22.6200, 31.9556** is the 20% darker color. If you saturate the color by 10%, you get **44.2249, 39.5903, 62.4383**, and if you desaturate by 10%, it is **55.6186, 57.5287, 65.3002**.

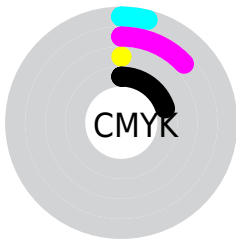
Distribution



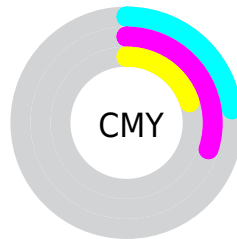
- Red (77%)
- Green (70%)
- Blue (80%)



- Red (77%)
- Yellow (70%)
- Blue (80%)



- Cyan (4%)
- Magenta (13%)
- Yellow (0%)
- Black (20%)





- Cyan (23%)
- Magenta (30%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5844, 47.9362, 63.7660 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 49.5844, 47.9362, 63.7660 by changing the saturation by 10% instead.


 49.5844, 47.9362,
63.7660

 49.5844, 47.9362,
63.7660


375.5174,
378.5392, 456.5284

 35.2997, 33.7764,
46.0162


 88.7543, 87.1094,
111.8701

 24.0614, 22.7218,
31.9098


114.3703,
112.8916, 143.0615

 15.5042, 14.3883,
21.0284


144.4940,
143.3166, 179.5705

 9.2626, 8.3912,
12.9533

179.4909,
178.7690, 221.8156

 4.9713, 4.3463,
7.2661

219.7264,
219.6330, 270.2154

 2.2650, 1.8691,
3.5481

265.5657,

 0.7767, 0.5297,

266.2931, 325.1884

1.3809

317.3742,
319.1337, 387.1533

■ 0.0000, 0.0000,
0.1267

■ 0.0000, 0.0000,
0.0000

■ 49.5844, 47.9362,
63.7660

■ 49.5844, 47.9362,
63.7660

■ 44.2249, 39.5903,
62.4383

■ 55.6186, 57.5287,
65.3002

■ 39.5086, 32.4312,
61.3050

■ 62.3491, 68.4117,
67.0461

■ 35.4075, 26.4036,
60.3577

■ 69.8015, 80.6348,
69.0126

■ 31.8898, 21.4450,
59.5860

■ 76.5122, 91.2695,
70.7116

■ 28.9206, 17.4870,
58.9785

■ 78.4609, 92.2741,
70.8028

■ 26.4608, 14.4529,
58.5225

■ 80.4819, 93.3159,
70.8974

■ 24.4659, 12.2547,
58.2034

■ 82.5758, 94.3954,
70.9954

■ 22.8822, 10.7866,
58.0035

■ 84.7435, 95.5129,
71.0969

■ 21.9219, 10.0421,
57.9104

■ 86.9857, 96.6687,
71.2018

Harmonies

Analogous

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



47.0772, 47.9362, 68.6276



49.5844, 47.9362, 63.7660



51.0407, 47.9362, 56.0474

Triad

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



49.5844, 47.9362, 63.7660



46.8882, 47.9362, 38.5030



40.5358, 47.9362, 56.6056

Complementary

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



49.5844, 47.9362, 63.7660



49.8803, 56.8405, 50.4643

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.



40.4899, 47.9362, 48.5221



49.5844, 47.9362, 63.7660



44.0795, 47.9362, 38.6192

Square

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



49.5844, 47.9362, 63.7660



49.4411, 47.9362, 41.7792



41.7631, 47.9362, 42.1149



41.8912, 47.9362, 64.2109

Rectangle

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



49.5844, 47.9362, 63.7660



51.1825, 47.9362, 50.5816



41.7631, 47.9362, 42.1149



40.3687, 47.9362, 53.8411

Sweetspot

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



49.5858, 47.9383, 63.7670



90.7366, 93.0734, 107.7904



46.8692, 49.0429, 64.1234



19.2523, 19.6511, 23.0283



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.



49.5858, 47.9383, 63.7670



79.8398, 75.8124, 105.0330



51.1596, 48.8146, 60.9019



11.3385, 11.2238, 14.1392



13.8966, 6.3715, 36.4537



0.7922, 0.3675, 1.8841

Inverse Universe

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



49.6869, 48.2255, 53.1466



80.0645, 76.3873, 84.3027



48.4777, 56.0612, 52.9405



11.3521, 11.2696, 12.3888



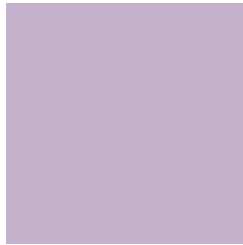
16.2712, 8.3191, 3.8808



0.8735, 0.4428, 0.3799

Previews

White Background



This preview shows how the XYZ color 49.5844, 47.9362, 63.7660 looks on a white background.

Color Contrast Check

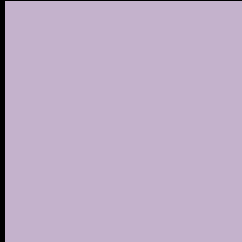
Large Text (above 18pt) WCAG AA × Fail

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 49.5844, 47.9362, 63.7660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

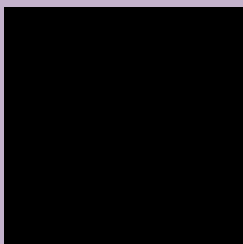
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

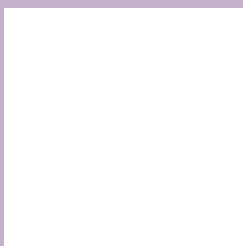
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.5844, 47.9362, 63.7660

Background



This preview shows how black text looks on a background with the XYZ color 49.5844, 47.9362, 63.7660.



This preview shows how white text looks on a background with the XYZ color 49.5844, 47.9362,

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

49.5844, 47.9362, 63.7660

Protanopia

47.2520, 48.1957, 65.8437

Deuteranopia

49.0115, 47.9373, 63.7964



Tritanopia

48.3070, 48.0069, 57.7591

Trichromacy



Original Color

49.5844, 47.9362, 63.7660

Protanomaly

47.9142, 47.9431, 65.1211

Deuteranomaly

49.2673, 48.0692, 63.8084

Tritanomaly

48.8188, 47.9195, 60.1024

Monochromacy



Original Color

49.5844, 47.9362, 63.7660

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.7943, 48.6644, 57.3262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5844, 47.9362, 63.7660 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, 178, 204)` looks like.

```
.text, #text, p{  
    color:rgb(196, 178, 204)  
}
```

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, 178, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 178, 204) }
```

Border

The CSS property to change the border of an element to XYZ 49.5844, 47.9362, 63.7660 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, 178, 204) }
```


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

```
.border{ border-color:rgb(196, 178, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 178, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 178, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 178, 204);  
box-shadow:4px 4px 4px 4px rgb(196, 178,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5844, 47.9362, 63.7660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 178, 204) }
```

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

```
.background{ background-color: rgb(196,  
178, 204) }
```

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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