

Converting Colors

XYZ(47.6015, 44.8577, 64.4249)

Have a look what the booklet for
XYZ(47.6015, 44.8577, 64.4249)
contains.

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Color

**XYZ(47.6958, 44.9195,
64.5490)**

Conversions

Conversions Part 1

Format	Color
Hex	C1ABCE
RGB	193, 171, 206
RGB Percent	76%, 67%, 81%
CMY	0.2431, 0.3294, 0.1922
CMYK	0.06, 0.17, 0.00, 0.19
HSL	278°, 26%, 74%
HSV	278°, 17%, 81%
XYZ	47.6958, 44.9195, 64.5490
YIQ	181.5680, 1.8770, 15.5490

Conversions

Conversions Part 2

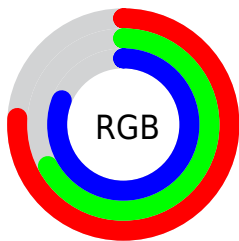
Format	Color
R _Y B	193, 171, 206
Decimal	12692430
CIE Lab	72.84, 14.40, -14.84
CIE LCh	73, 20.681, 314.142
Yxy	44.9195, 0.3035, 0.2858
Android (android.graphics.Color)	4290882510 (0xFFC1ABCE)
YUV	181.5680, 12.0450, 10.0259
Hunter-Lab	67.0220, 9.7399, -10.1869

Details

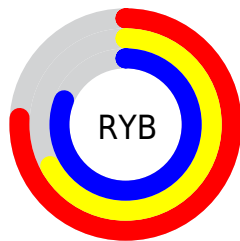
The XYZ color **47.6958, 44.9195, 64.5490** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **49.1907, 57.2744, 46.9927**, and the grayscale version is **44.1657, 46.4658, 50.6013**.

A 20% lighter version of the original color is **84.6707, 81.9367, 105.9605**, and **22.9118, 20.9496, 32.5419** is the 20% darker color. If you saturate the color by 10%, you get **42.2037, 36.7561, 63.2634**, and if you desaturate by 10%, it is **53.8979, 54.3516, 66.0434**.

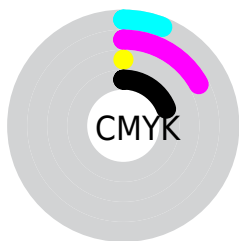
Distribution



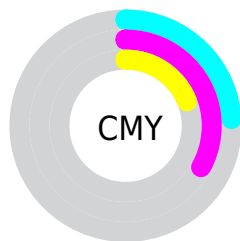
- Red (76%)
- Green (67%)
- Blue (81%)



- Red (76%)
- Yellow (67%)
- Blue (81%)



- Cyan (6%)
- Magenta (17%)
- Yellow (0%)
- Black (19%)



- Cyan (24%)
- Magenta (33%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6958, 44.9195, 64.5490 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 47.6958, 44.9195, 64.5490 by changing the saturation by 10% instead.

■ 47.6958, 44.9195,
64.5490

■ 47.6958, 44.9195,
64.5490

368.1878,
366.4474, 459.4313

■ 33.7963, 31.3940,
46.6465

■ 85.9637, 82.5996,
113.0083

■ 22.8993, 20.8991,
32.4039

111.0629,
107.5230, 144.4021

■ 14.6395, 13.0502,
21.4028

140.6260,
137.0145, 181.1300

■ 8.6514, 7.4632,
13.2247

175.0184,
171.4585, 223.6107

■ 4.5698, 3.7534,
7.4509

214.6054,
211.2394, 272.2626

■ 2.0293, 1.5366,
3.6630

259.7524,

■ 0.6503, 0.3143,

256.7416, 327.5043

1.4423

310.8247,
308.3495, 389.7544

■ 0.0000, 0.0000,
0.1744

■ 0.0000, 0.0000,
0.0000

■ 47.6958, 44.9195,
64.5490

■ 47.6958, 44.9195,
64.5490

■ 42.2037, 36.7561,
63.2634

■ 53.8979, 54.3516,
66.0434

■ 37.3881, 29.7988,
62.1744

■ 60.8337, 65.0998,
67.7524

■ 33.2186, 23.9883,
61.2726

■ 68.5306, 77.2160,
69.6854

■ 29.6607, 19.2580,
60.5471

■ 77.0134, 90.7476,
71.8502

■ 26.6762, 15.5341,
59.9856

■ 79.9400, 93.0087,
72.1324

■ 24.2223, 12.7331,
59.5743

■ 82.4679, 94.3118,
72.2507

■ 22.2490, 10.7580,
59.2970

■ 85.1051, 95.6714,
72.3741

■ 20.6904, 9.4793,
59.1324

■ 87.8531, 97.0880,
72.5027

■ 20.2674, 9.1613,
59.0933

■ 88.1407, 97.2363,
72.5162

Harmonies

Analogous

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



44.4071, 44.9195, 70.7460



47.6958, 44.9195, 64.5490



49.7007, 44.9195, 54.5257

Triad

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



47.6958, 44.9195, 64.5490



44.6130, 44.9195, 32.2202



36.3318, 44.9195, 53.9115

Complementary

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



47.6958, 44.9195, 64.5490



49.1907, 57.2744, 46.9927

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.



36.3800, 44.9195, 43.6932



47.6958, 44.9195, 64.5490



41.0267, 44.9195, 32.1040

Square

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



47.6958, 44.9195, 64.5490



47.8538, 44.9195, 36.3690



38.0559, 44.9195, 36.0255



37.9203, 44.9195, 64.0453

Rectangle

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



47.6958, 44.9195, 64.5490



49.9726, 44.9195, 47.4928



38.0559, 44.9195, 36.0255



36.1600, 44.9195, 50.3545

Sweetspot

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



47.6972, 44.9214, 64.5500



89.3956, 91.2460, 107.5083



45.1641, 47.5703, 65.1948



18.9695, 19.2766, 22.9709



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.



47.6972, 44.9214, 64.5500



74.2536, 68.2482, 103.8674



50.6686, 46.5098, 62.1331



11.2679, 11.1874, 14.1359



12.5901, 5.6980, 36.3925



0.7316, 0.3363, 1.8813

Inverse Universe

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



48.6698, 45.7103, 51.6073



76.1446, 69.7704, 79.2262



46.6135, 55.9001, 48.9354



11.3818, 11.2814, 12.5450



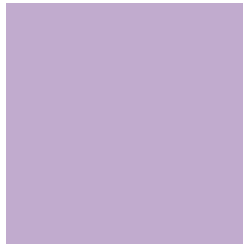
16.5312, 8.4231, 5.2500



0.8893, 0.4491, 0.4627

Previews

White Background



This preview shows how the XYZ color 47.6958, 44.9195, 64.5490 looks on a white background.

Color Contrast Check

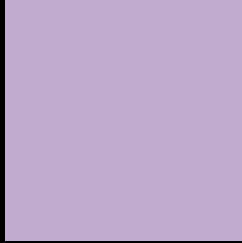
Large Text (above 18pt) WCAG AA × Fail

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 47.6958, 44.9195, 64.5490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

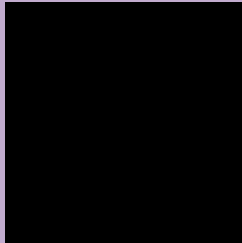
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.6958, 44.9195, 64.5490

Background



This preview shows how black text looks on a background with the XYZ color 47.6958, 44.9195, 64.5490.



This preview shows how white text looks on a background with the XYZ color 47.6958, 44.9195,

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

47.6958, 44.9195, 64.5490

Protanopia

44.3683, 44.8681, 67.2947

Deuteranopia

45.9227, 44.8702, 63.9980



Tritanopia

45.4484, 44.8501, 53.8385

Trichromacy



Original Color

47.6958, 44.9195, 64.5490

Protanomaly

45.6610, 44.9667, 66.5944

Deuteranomaly

46.4565, 44.8597, 63.9679

Tritanomaly

46.2798, 44.9036, 57.8578

Monochromacy



Original Color

47.6958, 44.9195, 64.5490

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.5741, 46.0415, 55.7751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6958, 44.9195, 64.5490 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(193, 171, 206)` looks like.

```
.text, #text, p{  
    color:rgb(193, 171, 206)  
}
```

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(193, 171, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 171, 206) }
```

Border

The CSS property to change the border of an element to XYZ 47.6958, 44.9195, 64.5490 is called "border". The border property can be set on classes, ids or directly on the HTML element.

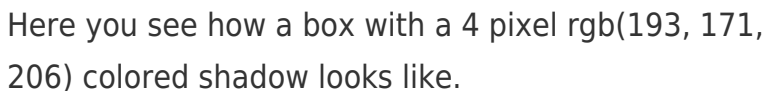
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(193, 171, 206) }
```


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

```
.border{ border-color:rgb(193, 171, 206) }
```

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



Here you see how a box with a 4 pixel `rgb(193, 171, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 171, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 171, 206); box-shadow:4px 4px 4px 4px rgb(193, 171, 206) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6958, 44.9195, 64.5490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 171, 206) }
```

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

```
.background{ background-color: rgb(193,  
171, 206) }
```

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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