

Converting Colors

XYZ(49.2186, 44.2444, 62.8691)

Have a look what the booklet for
XYZ(49.2186, 44.2444, 62.8691)
contains.

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Color

**XYZ(49.4371, 44.4694,
63.1046)**

Conversions

Conversions Part 1

Format	Color
Hex	CCA6CC
RGB	204, 166, 204
RGB Percent	80%, 65%, 80%
CMY	0.2000, 0.3490, 0.2000
CMYK	0.00, 0.19, 0.00, 0.20
HSL	300°, 27%, 73%
HSV	300°, 19%, 80%
XYZ	49.4371, 44.4694, 63.1046
YIQ	181.6940, 10.4500, 19.8740

Conversions

Conversions Part 2

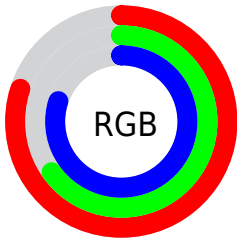
Format	Color
R_{YB}	204, 166, 204
Decimal	13412044
CIE _{Lab}	72.54, 20.46, -14.09
CIE _{LCh}	73, 24.847, 325.448
Yxy	44.4694, 0.3149, 0.2832
Android (android.graphics.Color)	4291602124 (0xFFCCA6CC)
YUV	181.6940, 10.9969, 19.5624
Hunter-Lab	66.6854, 15.6313, -9.4266

Details

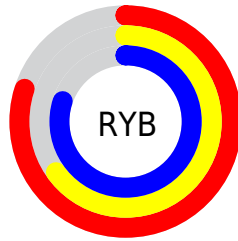
The XYZ color **49.4371, 44.4694, 63.1046** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.2034, 54.0472, 44.1811**, and the grayscale version is **44.2363, 46.5400, 50.6821**.

A 20% lighter version of the original color is **85.1465, 80.1929, 105.5988**, and **23.9168, 20.6262, 31.5749** is the 20% darker color. If you saturate the color by 10%, you get **46.0194, 37.6333, 61.9658**, and if you desaturate by 10%, it is **53.4457, 52.4858, 64.4414**.

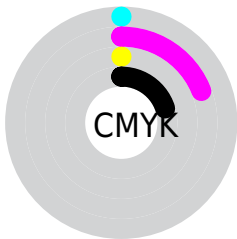
Distribution



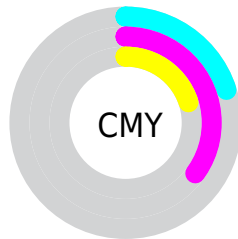
- Red (80%)
- Green (65%)
- Blue (80%)



- Red (80%)
- Yellow (65%)
- Blue (80%)



- Cyan (0%)
- Magenta (19%)
- Yellow (0%)
- Black (20%)



- Cyan (20%)
- Magenta (35%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4371, 44.4694, 63.1046 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 49.4371, 44.4694, 63.1046 by changing the saturation by 10% instead.

 49.4371, 44.4694,
63.1046


 49.4371, 44.4694,
63.1046


374.9490,
364.6203, 454.0674

 35.1823, 31.0397,
45.4843


 88.5371, 81.9236,
110.9074

 23.9705, 20.6291,
31.4933


 114.1131,
106.7169, 141.9270

 15.4364, 12.8531,
20.7132

144.1934,
136.0669, 178.2502

 9.2145, 7.3275,
12.7253

179.1436,
170.3579, 220.2953

 4.9396, 3.6677,
7.1112

219.3288,
209.9743, 268.4811

 2.2463, 1.4895,
3.4522

265.1146,

 0.7669, 0.2813,

255.3006, 323.2260

1.3299

316.8662,
306.7212, 384.9486

■ 0.0000, 0.0000,
0.0861

■ 0.0000, 0.0000,
0.0000

■ 49.4371, 44.4694,
63.1046

■ 49.4371, 44.4694,
63.1046

■ 46.0194, 37.6333,
61.9658

■ 53.4457, 52.4858,
64.4414

■ 43.1609, 31.9162,
61.0129

■ 58.0670, 61.7284,
65.9818

■ 40.8330, 27.2605,
60.2369

■ 63.3266, 72.2476,
67.7351

■ 39.0031, 23.6008,
59.6269

■ 69.2475, 84.0895,
69.7088

37.6350, 20.8644,
59.1708

71.5614, 88.7172,
70.4801

36.6873, 18.9692,
58.8549

71.5614, 88.7173,
70.4802

36.1118, 17.8181,
58.6630

71.5615, 88.7173,
70.4802

35.8317, 17.2581,
58.5696

71.5615, 88.7173,
70.4803

35.8013, 17.1972,
58.5595

71.5615, 88.7173,
70.4803

Harmonies

Analogous

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



45.9142, 44.4694, 73.0597



49.4371, 44.4694, 63.1046



51.0418, 44.4694, 50.3204

Triad

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



49.4371, 44.4694, 63.1046



42.9254, 44.4694, 28.4686



35.2421, 44.4694, 59.3057

Complementary

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



49.4371, 44.4694, 63.1046



44.2034, 54.0472, 44.1811

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.



34.5601, 44.4694, 46.5673



49.4371, 44.4694, 63.1046



38.8179, 44.4694, 30.0548

Square

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



49.4371, 44.4694, 63.1046



47.1239, 44.4694, 31.4410



35.8257, 44.4694, 36.2103



37.7555, 44.4694, 70.6189

Rectangle

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



49.4371, 44.4694, 63.1046



50.7337, 44.4694, 42.3912



35.8257, 44.4694, 36.2103



34.7986, 44.4694, 54.9941

Sweetspot

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



49.4384, 44.4713, 63.1056



90.3618, 90.6237, 107.3372



40.2631, 39.7413, 62.6763



19.2369, 19.1886, 22.9398



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.



49.4384, 44.4713, 63.1056



79.6904, 69.2808, 103.7800



47.2965, 43.6146, 51.8262



11.6876, 11.4038, 14.1555



22.5335, 10.8240, 36.8575



1.1625, 0.5584, 1.9014

Inverse Universe

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



49.4384, 44.4713, 63.1056



79.6904, 69.2808, 103.7800



46.0773, 54.7967, 54.0488



11.6876, 11.4038, 14.1555



22.5335, 10.8240, 36.8575



1.1625, 0.5584, 1.9014

Previews

White Background



This preview shows how the XYZ color 49.4371, 44.4694, 63.1046 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 49.4371, 44.4694, 63.1046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

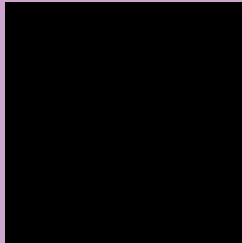
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.4371, 44.4694, 63.1046

Background



This preview shows how black text looks on a background with the XYZ color 49.4371, 44.4694, 63.1046.



This preview shows how white text looks on a background with the XYZ color 49.4371, 44.4694,

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

49.4371, 44.4694, 63.1046

Protanopia

44.2746, 44.8054, 67.9428

Deuteranopia

45.6827, 44.7742, 62.7345



Tritanopia

47.0094, 44.5859, 50.9280

Trichromacy



Original Color

49.4371, 44.4694, 63.1046

Protanomaly

45.8572, 44.5085, 65.8486

Deuteranomaly

46.8283, 44.5140, 62.6239

Tritanomaly

47.9491, 44.6941, 55.3898

Monochromacy



Original Color

49.4371, 44.4694, 63.1046

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

46.0548, 45.7155, 55.1118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4371, 44.4694, 63.1046 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(204, 166, 204)` looks like.

```
.text, #text, p{  
    color:rgb(204, 166, 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(204, 166, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 166, 204) }
```

Border

The CSS property to change the border of an element to XYZ 49.4371, 44.4694, 63.1046 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(204, 166, 204) }
```


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

```
.border{ border-color:rgb(204, 166, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 166, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 166, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 166, 204);  
box-shadow:4px 4px 4px 4px rgb(204, 166,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4371, 44.4694, 63.1046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 166, 204) }
```

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

```
.background{ background-color: rgb(204,  
166, 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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