

Converting Colors

XYZ(50.1415, 44.2721, 80.6405)

Have a look what the booklet for
XYZ(50.1415, 44.2721, 80.6405)
contains.

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Color

**XYZ(49.9862, 44.0928,
80.7391)**

Conversions

Conversions Part 1

Format	Color
Hex	C2A5E6
RGB	194, 165, 230
RGB Percent	76%, 65%, 90%
CMY	0.2392, 0.3529, 0.0980
CMYK	0.16, 0.28, 0.00, 0.10
HSL	267°, 57%, 77%
HSV	267°, 28%, 90%
XYZ	49.9862, 44.0928, 80.7391
YIQ	181.0810, -3.5810, 26.3630

Conversions

Conversions Part 2

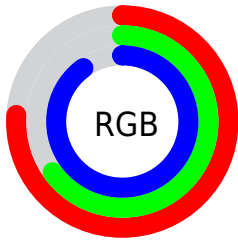
Format	Color
RYB	194, 165, 230
Decimal	12756454
CIELab	72.29, 23.03, -28.80
CIELCh	72, 36.874, 308.645
Yxy	44.0928, 0.2859, 0.2522
Android (android.graphics.Color)	4290946534 (0xFFC2A5E6)
YUV	181.0810, 24.1171, 11.3300
Hunter-Lab	66.4024, 18.1665, -25.6094

Details

The XYZ color **49.9862, 44.0928, 80.7391** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **59.1772, 71.7288, 46.3254**, and the grayscale version is **43.8411, 46.1243, 50.2293**.

A 20% lighter version of the original color is **83.4269, 78.9156, 105.4429**, and **24.3603, 20.4417, 42.7061** is the 20% darker color. If you saturate the color by 10%, you get **43.0746, 34.9161, 79.3328**, and if you desaturate by 10%, it is **57.9270, 54.9096, 82.4091**.

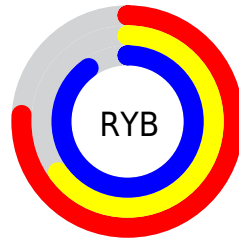
Distribution



Red (76%)

Green (65%)

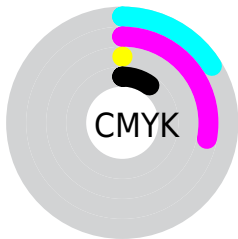
Blue (90%)



Red (76%)

Yellow (65%)

Blue (90%)

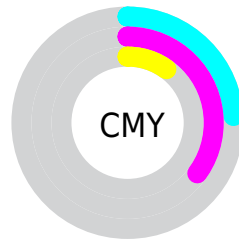


Cyan (16%)

Magenta (28%)

Yellow (0%)

Black (10%)



Cyan (24%)

Magenta (35%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9862, 44.0928, 80.7391 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 49.9862, 44.0928, 80.7391 by changing the saturation by 10% instead.

49.9862, 44.0928,
80.7391

49.9862, 44.0928,
80.7391

377.0649,
363.0868, 517.1925

35.6202, 30.7435,
59.7970

89.3464, 81.3574,
136.2251

24.3097, 20.4036,
42.8308

115.0712,
106.0414, 171.6062

15.6895, 12.6888,
29.4220

145.3131,
135.2724, 212.6373

9.3942, 7.2146,
19.1519

180.4373,
169.4349, 259.7369

5.0583, 3.5967,
11.6022

220.8093,
208.9132, 313.3238

2.3166, 1.4506,
6.3542

266.7943,

0.8032, 0.2536,

254.0917, 373.8163

2.9894

318.7577,
305.3548, 441.6330

■ 0.0000, 0.0000,
1.0892

■ 0.0000, 0.0000,
0.0000

■ 49.9862, 44.0928,
80.7391

■ 49.9862, 44.0928,
80.7391

■ 43.0746, 34.9161,
79.3328

■ 57.9270, 54.9096,
82.4091

■ 37.1408, 27.2904,
78.1736

■ 66.9363, 67.4385,
84.3526

■ 32.1352, 21.1263,
77.2477

■ 77.0568, 81.7538,
86.5823

■ 28.0017, 16.3227,
76.5383

■ 87.6843, 96.6380,
88.8951

■ 24.6772, 12.7650,
76.0269

■ 91.2831, 98.4932,
89.0636

■ 22.0880, 10.3188,
75.6912

■ 20.1324, 8.7932,
75.4998

■ 19.8324, 8.5740,
75.4733

Harmonies

Analogous

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



43.7668, 44.0928, 91.4216



49.9862, 44.0928, 80.7391



54.3093, 44.0928, 61.8676

Triad

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



49.9862, 44.0928, 80.7391



46.5033, 44.0928, 22.2955



30.9820, 44.0928, 53.4471

Complementary

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



49.9862, 44.0928, 80.7391



59.1772, 71.7288, 46.3254

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.



31.5562, 44.0928, 36.3928



49.9862, 44.0928, 80.7391



40.1043, 44.0928, 21.1181

Square

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



49.9862, 44.0928, 80.7391



52.1617, 44.0928, 29.3515



34.7522, 44.0928, 25.5907



33.0962, 44.0928, 73.2596

Rectangle

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



49.9862, 44.0928, 80.7391



55.3054, 44.0928, 48.8392



34.7522, 44.0928, 25.5907



30.8718, 44.0928, 47.1894

Sweetspot

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



49.9876, 44.0946, 80.7401



84.8486, 85.5876, 106.6558



50.8830, 55.8770, 82.9671



17.7724, 17.7744, 22.7440



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.



49.9876, 44.0946, 80.7401



57.8348, 48.5988, 100.9400



58.9989, 48.7401, 81.1618



14.1902, 14.2003, 18.1374



11.3639, 4.9242, 42.7347



0.9453, 0.4183, 3.1629

Inverse Universe

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



56.6323, 47.9521, 61.5310



67.7341, 54.3506, 72.1030



51.5236, 67.7833, 45.9672



14.7094, 14.5010, 16.6703



20.7206, 10.4225, 12.6897



1.5778, 0.7888, 1.1832

Previews

White Background



This preview shows how the XYZ color 49.9862, 44.0928, 80.7391 looks on a white background.

Color Contrast Check

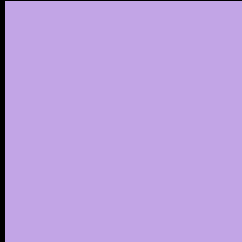
Large Text (above 18pt) WCAG AA × Fail

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 49.9862, 44.0928, 80.7391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

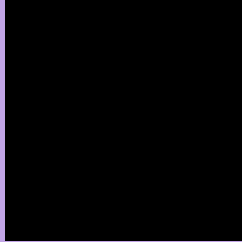
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9862, 44.0928, 80.7391

Background



This preview shows how black text looks on a background with the XYZ color 49.9862, 44.0928, 80.7391.



This preview shows how white text looks on a background with the XYZ color 49.9862, 44.0928,

80.7391.

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

49.9862, 44.0928, 80.7391

Protanopia

45.2598, 44.3066, 87.0555

Deuteranopia

45.2881, 44.1984, 79.5430



Tritanopia

44.4067, 44.0398, 53.1738

Trichromacy



Original Color

49.9862, 44.0928, 80.7391

Protanomaly

46.5716, 43.8946, 84.6152

Deuteranomaly

46.8372, 44.1301, 80.1781

Tritanomaly

46.3894, 44.0084, 62.5494

Monochromacy



Original Color

49.9862, 44.0928, 80.7391

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

45.8885, 45.2226, 60.3431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9862, 44.0928, 80.7391 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(194, 165, 230)` looks like.

```
.text, #text, p{  
    color:rgb(194, 165, 230)  
}
```

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(194, 165, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 165, 230) }
```

Border

The CSS property to change the border of an element to XYZ 49.9862, 44.0928, 80.7391 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(194, 165, 230) }
```


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

```
.border{ border-color:rgb(194, 165, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 165, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 165, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 165, 230);  
box-shadow:4px 4px 4px 4px rgb(194, 165,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9862, 44.0928, 80.7391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 165, 230) }
```

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

```
.background{ background-color: rgb(194,  
165, 230) }
```

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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