

# Converting Colors

XYZ(49.4028, 44.0678, 77.4391)

Have a look what the booklet for  
XYZ(49.4028, 44.0678, 77.4391)  
contains.

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# Color

**XYZ(49.4750, 44.1780,  
77.1538)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2A6E1
RGB	194, 166, 225
RGB Percent	76%, 65%, 88%
CMY	0.2392, 0.3490, 0.1176
CMYK	0.14, 0.26, 0.00, 0.12
HSL	268°, 50%, 77%
HSV	268°, 26%, 88%
XYZ	49.4750, 44.1780, 77.1538
YIQ	181.0980, -2.2510, 24.2850

# Conversions

## Conversions Part 2

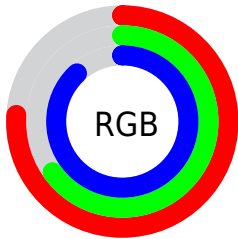
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 166, 225
Decimal	12756705
CIELab	72.35, 21.40, -25.98
CIELCh	72, 33.662, 309.480
Yxy	44.1780, 0.2897, 0.2586
Android (android.graphics.Color)	4290946785 (0xFFC2A6E1)
YUV	181.0980, 21.6437, 11.3151
Hunter-Lab	66.4665, 16.5518, -22.2968

# Details

The XYZ color **49.4750, 44.1780, 77.1538** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **56.8355, 68.4750, 46.2998**, and the grayscale version is **43.8627, 46.1470, 50.2541**.

A 20% lighter version of the original color is **83.6901, 79.4421, 105.5307**, and **24.0882, 20.5124, 40.7199** is the 20% darker color. If you saturate the color by 10%, you get **42.8230, 35.1999, 75.7722**, and if you desaturate by 10%, it is **57.0868, 54.7152, 78.7872**.

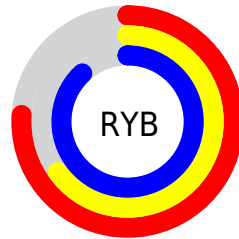
# Distribution



Red (76%)

Green (65%)

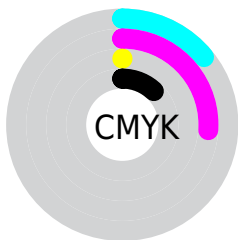
Blue (88%)



Red (76%)

Yellow (65%)

Blue (88%)

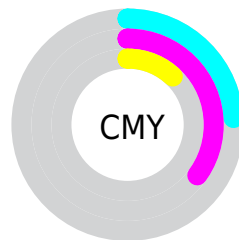


Cyan (14%)

Magenta (26%)

Yellow (0%)

Black (12%)



Cyan (24%)

Magenta (35%)

Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4750, 44.1780, 77.1538 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 49.4750, 44.1780, 77.1538 by changing the saturation by 10% instead.



■ 49.4750, 44.1780,  
77.1538

■ 49.4750, 44.1780,  
77.1538

375.0953,  
363.4342, 504.7398

■ 35.2125, 30.8105,  
56.8668

■ 88.5930, 81.4855,  
131.1316

■ 23.9939, 20.4546,  
40.4897

■ 114.1792,  
106.1943, 165.6594

■ 15.4538, 12.7259,  
27.6038

144.2708,  
135.4523, 205.7713

■ 9.2269, 7.2401,  
17.7908

179.2330,  
169.6439, 251.8857

■ 4.9478, 3.6127,  
10.6320

219.4312,  
209.1535, 304.4212

■ 2.2511, 1.4594,  
5.7089

265.2307,

■ 0.7695, 0.2599,

254.3654, 363.7964

2.6030

316.9970,  
305.6642, 430.4297

■ 0.0000, 0.0000,  
0.8940

■ 0.0000, 0.0000,  
0.0000

■ 49.4750, 44.1780,  
77.1538

■ 49.4750, 44.1780,  
77.1538

■ 42.8230, 35.1999,  
75.7722

■ 57.0868, 54.7152,  
78.7872

■ 37.0836, 27.6980,  
74.6266

■ 65.6940, 66.8780,  
80.6812

■ 32.2119, 21.5898,  
73.7044

■ 75.3356, 80.7354,  
82.8478

■ 28.1567, 16.7823,  
72.9902

■ 85.7258, 95.7083,  
85.1902

■ 24.8611, 13.1705,  
72.4668

■ 89.9000, 97.8602,  
85.3856

■ 22.2591, 10.6325,  
72.1140

■ 90.5907, 98.2163,  
85.4179

■ 20.2697, 9.0164,  
71.9069

■ 19.6276, 8.5484,  
71.8504

# Harmonies

## Analogous

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



43.8507, 44.1780, 86.9112



49.4750, 44.1780, 77.1538



53.3056, 44.1780, 60.1693

# Triad

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



49.4750, 44.1780, 77.1538



46.0153, 44.1780, 23.9906



31.9366, 44.1780, 53.5482

# Complementary

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



49.4750, 44.1780, 77.1538



56.8355, 68.4750, 46.2998

# 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.



32.4008, 44.1780, 37.7673



49.4750, 44.1780, 77.1538



40.1825, 44.1780, 23.0057

# Square

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



49.4750, 44.1780, 77.1538



51.1842, 44.1780, 30.5418



35.3005, 44.1780, 27.4477



33.9683, 44.1780, 71.3606



# Rectangle

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



49.4750, 44.1780, 77.1538



54.1377, 44.1780, 48.3924



35.3005, 44.1780, 27.4477



31.8104, 44.1780, 47.8134

# Sweetspot

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



49.4764, 44.1798, 77.1548



85.0498, 85.6913, 106.6652



49.3904, 53.6896, 78.9949



17.8230, 17.8005, 22.7464



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.



49.4764, 44.1798, 77.1548



61.1411, 52.4668, 101.5124



57.6697, 48.4037, 77.5382



13.5677, 13.5607, 17.2901



11.4432, 4.9945, 41.4093



0.8960, 0.3992, 2.8751



# Inverse Universe

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



54.7670, 47.3130, 59.0708



69.3431, 57.3261, 73.3873



49.9510, 64.9259, 45.9776



14.0066, 13.8203, 15.8049



19.8447, 10.0049, 11.1137

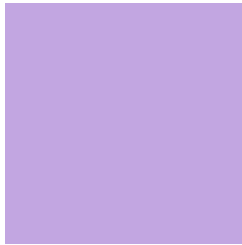


1.4207, 0.7116, 1.0082



# Previews

## White Background



This preview shows how the XYZ color 49.4750, 44.1780, 77.1538 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

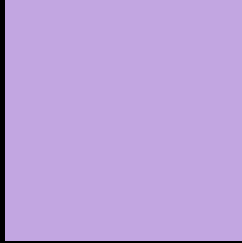
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.4750, 44.1780, 77.1538 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 49.4750, 44.1780, 77.1538**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.4750, 44.1780, 77.1538.



This preview shows how white text looks on a background with the XYZ color 49.4750, 44.1780,



# 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

49.4750, 44.1780, 77.1538

### Protanopia

44.7958, 44.1675, 82.5081

### Deuteranopia

45.2499, 44.2577, 75.9697



## Tritanopia

44.6522, 44.1664, 53.1852

# Trichromacy



## Original Color

49.4750, 44.1780, 77.1538

## Protanomaly

46.3509, 44.1609, 80.2097

## Deuteranomaly

46.6079, 44.0913, 76.5750

## Tritanomaly

46.1525, 43.9136, 61.3020

# Monochromacy



## Original Color

49.4750, 44.1780, 77.1538

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

45.8531, 45.5210, 59.1930

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.4750, 44.1780, 77.1538 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, 166, 225)` looks like.

```
.text, #text, p{  
    color:rgb(194, 166, 225)  
}
```

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, 166, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 166, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 49.4750, 44.1780, 77.1538 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, 166, 225) }
```



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

```
.border{ border-color:rgb(194, 166, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 166, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 166, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 166, 225);  
box-shadow:4px 4px 4px 4px rgb(194, 166,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.4750, 44.1780, 77.1538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 166, 225) }
```

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

```
.background{ background-color: rgb(194,  
166, 225) }
```

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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