

Converting Colors

XYZ(49.4875, 39.4371, 79.1336)

Have a look what the booklet for
XYZ(49.4875, 39.4371, 79.1336)
contains.

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Color

**XYZ(49.4784, 39.3619,
79.1186)**

Conversions

Conversions Part 1	
Format	Color
Hex	CC93E5
RGB	204, 147, 229
RGB Percent	80%, 58%, 90%
CMY	0.2000, 0.4235, 0.1020
CMYK	0.11, 0.36, 0.00, 0.10
HSL	282°, 61%, 74%
HSV	282°, 36%, 90%
XYZ	49.4784, 39.3619, 79.1186
YIQ	173.3910, 7.6500, 37.5860

Conversions

Conversions Part 2

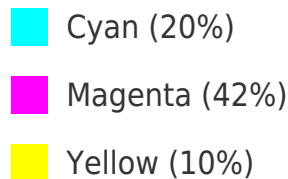
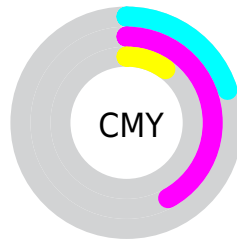
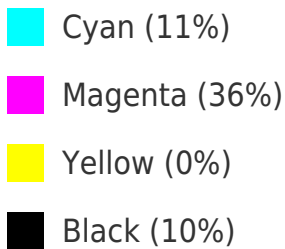
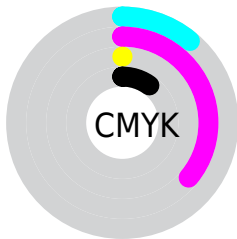
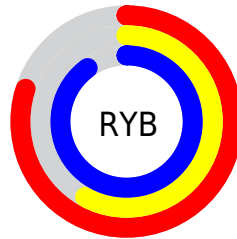
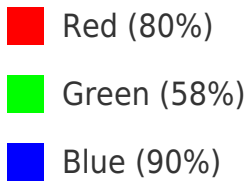
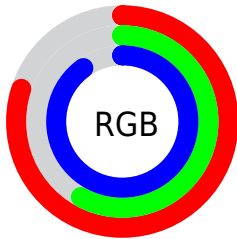
Format	Color
RYB	204, 147, 229
Decimal	13407205
CIELab	69.01, 35.79, -33.23
CIELCh	69, 48.836, 317.119
Yxy	39.3619, 0.2946, 0.2344
Android (android.graphics.Color)	4291597285 (0xFFCC93E5)
YUV	173.3910, 27.4152, 26.8441
Hunter-Lab	62.7391, 30.9785, -30.8517

Details

The XYZ color **49.4784, 39.3619, 79.1186** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **50.3003, 66.9168, 37.8706**, and the grayscale version is **39.7828, 41.8546, 45.5796**.

A 20% lighter version of the original color is **80.4105, 70.7211, 104.0202**, and **24.0295, 17.5911, 41.6641** is the 20% darker color. If you saturate the color by 10%, you get **44.3949, 31.9716, 77.9607**, and if you desaturate by 10%, it is **55.3591, 48.2172, 80.5185**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4784, 39.3619, 79.1186 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 49.4784, 39.3619, 79.1186 by changing the saturation by 10% instead.


 49.4784, 39.3619,
79.1186


 49.4784, 39.3619,
79.1186


375.1084,
343.4267, 511.5857

 35.2152, 27.0414,
58.4714


 88.5980, 74.1909,
133.9260

 23.9960, 17.6043,
41.7706


 114.1852, 97.4681,
168.9233

 15.4554, 10.6663,
28.5975


144.2777,
125.1663, 209.5411

 9.2280, 5.8429,
18.5336

179.2410,
157.6700, 256.1978

 4.9485, 2.7498,
11.1603

219.4403,
195.3635, 309.3121

 2.2515, 1.0025,
6.0593


265.2411,


 0.7697, 0.0000,


238.6311, 369.3025


2.8118


317.0087,
287.8574, 436.5875


 0.0000, 0.0000,
0.9993


 0.0000, 0.0000,
0.0000


 49.4784, 39.3619,
79.1186


 49.4784, 39.3619,
79.1186


 44.3949, 31.9716,
77.9607


 55.3591, 48.2172,
80.5185


 40.0613, 25.9563,
77.0280


 62.0728, 58.6107,
82.1708


 36.4310, 21.2235,
76.3058


 69.6580, 70.6166,
84.0884


 33.4499, 17.6670,
75.7765


 78.1494, 84.3027,
86.2825


 31.0554, 15.1629,
75.4193


 85.4694, 95.5123,
88.0604

 29.1702, 13.5588,
75.2091

 87.8712, 96.7505,
88.1728

 28.4775, 13.0469,
75.1468

 90.3651, 98.0362,
88.2895

 91.1430, 98.4372,
88.3259

Harmonies

Analogous

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



41.9903, 39.3619, 98.2201



49.4784, 39.3619, 79.1186



53.9706, 39.3619, 53.1356

Triad

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



49.4784, 39.3619, 79.1186



40.8470, 39.3619, 13.1928



24.8603, 39.3619, 56.7453

Complementary

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



49.4784, 39.3619, 79.1186



50.3003, 66.9168, 37.8706

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.



24.6430, 39.3619, 33.9999



49.4784, 39.3619, 79.1186



33.1798, 39.3619, 13.5700

Square

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



49.4784, 39.3619, 79.1186



48.5421, 39.3619, 18.5077



27.4870, 39.3619, 19.8169



28.1287, 39.3619, 82.5371

Rectangle

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



49.4784, 39.3619, 79.1186



54.3047, 39.3619, 37.7658



27.4870, 39.3619, 19.8169



24.4458, 39.3619, 48.3894

Sweetspot

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



49.4797, 39.3636, 79.1195



83.6689, 81.8048, 105.9878



41.1141, 41.7362, 80.0183



17.6291, 17.0682, 22.6153



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.



49.4797, 39.3636, 79.1195



58.2217, 43.0398, 99.8466



54.8813, 42.3803, 68.8847



14.5450, 14.3832, 18.1540



16.4099, 7.5255, 42.9708



1.3061, 0.6043, 3.1798

Inverse Universe

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



50.1944, 40.5056, 44.2041



59.5334, 44.8637, 48.0529



46.5778, 64.8525, 44.2625



14.5570, 14.4400, 15.8675



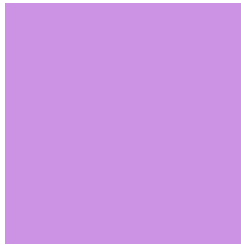
19.1508, 9.7945, 4.4232



1.4554, 0.7399, 0.5388

Previews

White Background



This preview shows how the XYZ color 49.4784, 39.3619, 79.1186 looks on a white background.

Color Contrast Check

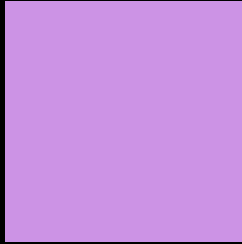
Large Text (above 18pt) WCAG AA × Fail

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 49.4784, 39.3619, 79.1186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

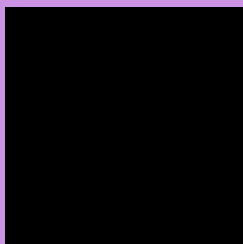
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.4784, 39.3619, 79.1186

Background



This preview shows how black text looks on a background with the XYZ color 49.4784, 39.3619, 79.1186.



This preview shows how white text looks on a background with the XYZ color 49.4784, 39.3619,

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

49.4784, 39.3619, 79.1186

Protanopia

41.2930, 39.6437, 91.0636

Deuteranopia

40.5533, 39.5787, 76.7362



Tritanopia

42.2545, 39.3387, 43.8941

Trichromacy



Original Color
49.4784, 39.3619, 79.1186



Protanomaly
43.4952, 39.0276, 86.9020



Deuteranomaly
43.1389, 39.0579, 77.2168

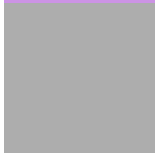


Tritanomaly
44.5245, 39.2542, 55.0993

Monochromacy



Original Color
49.4784, 39.3619, 79.1186



Achromatopsia
39.7200, 41.7885, 45.5077



Achromatomaly
42.6683, 40.5915, 56.0382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4784, 39.3619, 79.1186 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, 147, 229) looks like.

```
.text, #text, p{  
    color:rgb(204, 147, 229)  
}
```

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, 147, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 147, 229) }
```

Border

The CSS property to change the border of an element to XYZ 49.4784, 39.3619, 79.1186 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, 147, 229) }
```


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

```
.border{ border-color:rgb(204, 147, 229) }
```

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

Here you see how a box with a 4 pixel rgb(204, 147, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 147, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 147, 229);  
box-shadow:4px 4px 4px 4px rgb(204, 147,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4784, 39.3619, 79.1186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 147, 229) }
```

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

```
.background{ background-color: rgb(204,  
147, 229) }
```

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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