

# Converting Colors

XYZ(39.3728, 32.6907, 70.6375)

Have a look what the booklet for  
XYZ(39.3728, 32.6907, 70.6375)  
contains.

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# Color

**XYZ(39.4885, 32.8168,  
70.5827)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AE8CDA
RGB	174, 140, 218
RGB Percent	68%, 55%, 85%
CMY	0.3176, 0.4510, 0.1451
CMYK	0.20, 0.36, 0.00, 0.15
HSL	266°, 51%, 70%
HSV	266°, 36%, 85%
XYZ	39.4885, 32.8168, 70.5827
YIQ	159.0580, -4.7740, 31.4660

# Conversions

## Conversions Part 2

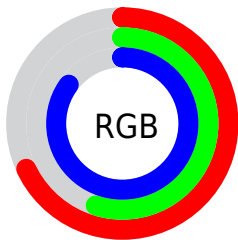
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 140, 218
Decimal	11439322
CIELab	64.01, 28.21, -35.14
CIELCh	64, 45.062, 308.757
Yxy	32.8168, 0.2764, 0.2297
Android (android.graphics.Color)	4289629402 (0xFFAE8CDA)
YUV	159.0580, 29.0584, 13.1041
Hunter-Lab	57.2859, 22.7937, -32.9517

# Details

The XYZ color **39.4885, 32.8168, 70.5827** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **49.5732, 62.2274, 34.2106**, and the grayscale version is **32.8550, 34.5661, 37.6424**.

A 20% lighter version of the original color is **70.2968, 62.7925, 103.0229**, and **17.9290, 13.7822, 36.3656** is the 20% darker color. If you saturate the color by 10%, you get **33.9978, 25.7173, 69.5023**, and if you desaturate by 10%, it is **45.8634, 41.3102, 71.8866**.

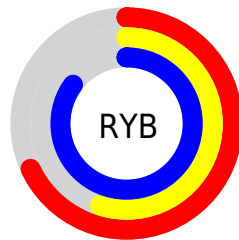
# Distribution



Red (68%)

Green (55%)

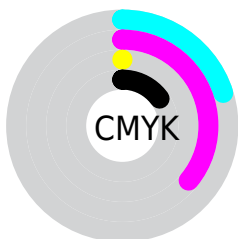
Blue (85%)



Red (68%)

Yellow (55%)

Blue (85%)

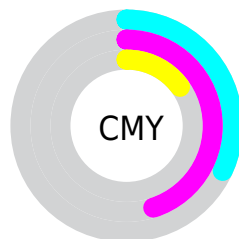


Cyan (20%)

Magenta (36%)

Yellow (0%)

Black (15%)



Cyan (32%)

Magenta (45%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4885, 32.8168, 70.5827 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 39.4885, 32.8168, 70.5827 by changing the saturation by 10% instead.



39.4885, 32.8168,  
70.5827

39.4885, 32.8168,  
70.5827

335.1345,  
314.8234, 481.4376

27.3224, 21.9861,  
51.5220

73.6733, 64.0894,  
121.7282

17.9533, 13.8467,  
36.2446

96.4227, 85.3001,  
154.6502

11.0160, 8.0141,  
24.3320

123.4306,  
110.7397, 193.0296

6.1450, 4.1040,  
15.3656

155.0623,  
140.7924, 237.2850

2.9749, 1.7319,  
8.9269

191.6831,  
175.8428, 287.8349

1.1405, 0.4442,  
4.5974

233.6586,

0.0586, 0.0000,

216.2751, 345.0980

1.9585

281.3539,  
262.4739, 409.4927

■ 0.0000, 0.0000,  
0.5296

■ 0.0000, 0.0000,  
0.0000

■ 39.4885, 32.8168,  
70.5827

■ 39.4885, 32.8168,  
70.5827

■ 33.9978, 25.7173,  
69.5023

■ 45.8634, 41.3102,  
71.8866

■ 29.3436, 19.9295,  
68.6304

■ 53.1597, 51.2657,  
73.4237

■ 25.4787, 15.3681,  
67.9537

■ 61.4169, 62.7514,  
75.2055

■ 22.3492, 11.9361,  
67.4562

■ 70.6706, 75.8303,  
77.2422

■ 19.8928, 9.5207,  
67.1195

■ 80.9549, 90.5615,  
79.5436

■ 18.0344, 7.9835,  
66.9207

■ 87.0511, 96.4996,  
80.3685

■ 17.3769, 7.4962,  
66.8613

■ 89.6550, 97.8420,  
80.4903

# Harmonies

## Analogous

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



33.0901, 32.8168, 82.7139



39.4885, 32.8168, 70.5827



44.0311, 32.8168, 49.9793

# Triad

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



39.4885, 32.8168, 70.5827



35.8342, 32.8168, 12.0236



20.6009, 32.8168, 41.3326

# Complementary

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



39.4885, 32.8168, 70.5827



49.5732, 62.2274, 34.2106

# 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.



21.1272, 32.8168, 24.4875



39.4885, 32.8168, 70.5827



29.3667, 32.8168, 11.0951

# Square

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



39.4885, 32.8168, 70.5827



41.7299, 32.8168, 17.9884



24.1464, 32.8168, 14.7915



22.5957, 32.8168, 62.4404



# Rectangle

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



39.4885, 32.8168, 70.5827



45.0811, 32.8168, 36.4966



24.1464, 32.8168, 14.7915



20.4951, 32.8168, 34.9780

# Sweetspot

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



39.4896, 32.8181, 70.5834



81.1617, 80.5123, 105.8705



40.6533, 45.0027, 72.8740



17.0313, 16.7600, 22.5873



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.



39.4896, 32.8181, 70.5834



50.2585, 38.9346, 99.4740



49.4165, 37.9356, 71.0480



12.8745, 12.8934, 16.4623



10.5291, 4.5522, 40.0621



0.7798, 0.3453, 2.6000



# Inverse Universe

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



46.9443, 37.1236, 50.0400



62.7064, 46.1329, 64.7620



41.5184, 58.0750, 33.8337



13.3621, 13.1740, 15.1683



19.5181, 9.8083, 12.3742



1.3075, 0.6526, 1.0280



# Previews

## White Background



This preview shows how the XYZ color 39.4885, 32.8168, 70.5827 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

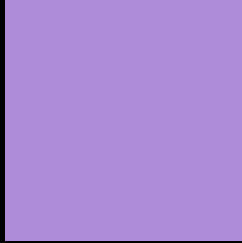
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.4885, 32.8168, 70.5827 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

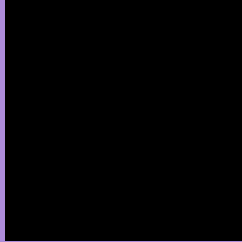
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.4885, 32.8168, 70.5827**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.4885, 32.8168, 70.5827.



This preview shows how white text looks on a background with the XYZ color 39.4885, 32.8168,



# 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

39.4885, 32.8168, 70.5827

### Protanopia

34.6007, 33.1297, 77.9698

### Deuteranopia

33.6486, 32.8397, 68.8552



## Tritanopia

33.1945, 32.7769, 39.2274

# Trichromacy



## Original Color

39.4885, 32.8168, 70.5827

## Protanomaly

35.8985, 32.6726, 74.9354

## Deuteranomaly

35.3790, 32.5272, 69.3795

## Tritanomaly

35.1294, 32.6112, 49.2428

# Monochromacy



## Original Color

39.4885, 32.8168, 70.5827

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

34.7763, 33.6443, 47.8411

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.4885, 32.8168, 70.5827 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(174, 140, 218)` looks like.

```
.text, #text, p{  
    color:rgb(174, 140, 218)  
}
```

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(174, 140, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 140, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 39.4885, 32.8168, 70.5827 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(174, 140, 218) }
```



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

```
.border{ border-color:rgb(174, 140, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 140, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 140, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 140, 218);  
box-shadow:4px 4px 4px 4px rgb(174, 140,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.4885, 32.8168, 70.5827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 140, 218) }
```

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

```
.background{ background-color: rgb(174,  
140, 218) }
```

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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