

# Converting Colors

XYZ(39.9722, 33.5340, 69.3317)

Have a look what the booklet for  
XYZ(39.9722, 33.5340, 69.3317)  
contains.

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# Color

**XYZ(39.9722, 33.5340,  
69.3317)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B08ED8
RGB	176, 142, 216
RGB Percent	69%, 56%, 85%
CMY	0.3098, 0.4431, 0.1529
CMYK	0.19, 0.34, 0.00, 0.15
HSL	268°, 49%, 70%
HSV	268°, 34%, 85%
XYZ	39.9722, 33.5340, 69.3317
YIQ	160.6020, -3.4900, 30.2220

# Conversions

## Conversions Part 2

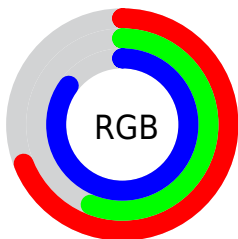
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 142, 216
Decimal	11570904
CIELab	64.59, 27.23, -33.11
CIELCh	65, 42.873, 309.434
Yxy	33.5340, 0.2798, 0.2348
Android (android.graphics.Color)	4289760984 (0xFFB08ED8)
YUV	160.6020, 27.3112, 13.5040
Hunter-Lab	57.9085, 21.8722, -30.4497

# Details

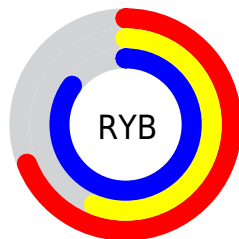
The XYZ color **39.9722, 33.5340, 69.3317** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.7307, 61.0106, 34.8004**, and the grayscale version is **33.5714, 35.3197, 38.4632**.

A 20% lighter version of the original color is **71.0686, 63.8557, 103.1874**, and **18.2001, 14.1930, 35.4985** is the 20% darker color. If you saturate the color by 10%, you get **34.5372, 26.4154, 68.2447**, and if you desaturate by 10%, it is **46.2592, 42.0177, 70.6384**.

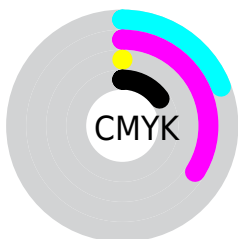
# Distribution



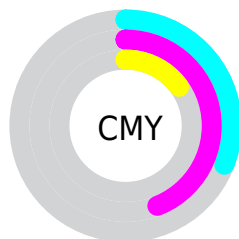
- Red (69%)
- Green (56%)
- Blue (85%)



- Red (69%)
- Yellow (56%)
- Blue (85%)



- Cyan (19%)
- Magenta (34%)
- Yellow (0%)
- Black (15%)



- Cyan (31%)
- Magenta (44%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9722, 33.5340, 69.3317 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 39.9722, 33.5340, 69.3317 by changing the saturation by 10% instead.



39.9722, 33.5340,  
69.3317

39.9722, 33.5340,  
69.3317

337.1428,  
318.0491, 476.9256

27.7010, 22.5358,  
50.5085

74.4058, 65.2083,  
119.9274

18.2397, 14.2512,  
35.4436

97.2989, 86.6533,  
152.5369

11.2229, 8.2956,  
23.7185

124.4633,  
112.3493, 190.5789

6.2854, 4.2846,  
14.9147

156.2644,  
142.6808, 234.4720

3.0617, 1.8340,  
8.6136

193.0675,  
178.0321, 284.6347

1.1865, 0.5082,  
4.3966

235.2381,

0.0956, 0.0000,

218.7877, 341.4854

1.8454

283.1414,  
265.3319, 405.4429

■ 0.0000, 0.0000,  
0.4576

■ 0.0000, 0.0000,  
0.0000

■ 39.9722, 33.5340,  
69.3317

■ 39.9722, 33.5340,  
69.3317

■ 34.5372, 26.4154,  
68.2447

■ 46.2592, 42.0177,  
70.6384

■ 29.9091, 20.5828,  
67.3628

■ 53.4336, 51.9317,  
72.1739

■ 26.0432, 15.9547,  
66.6732

■ 61.5325, 63.3418,  
73.9494

■ 22.8886, 12.4386,  
66.1608

■ 70.5901, 76.3084,  
75.9748

■ 20.3871, 9.9274,  
65.8080

■ 80.6385, 90.8886,  
78.2595

■ 18.4689, 8.2917,  
65.5934

■ 86.1807, 96.0810,  
78.9696

■ 17.5670, 7.6243,  
65.5121

■ 89.3948, 97.7379,  
79.1200

# Harmonies

## Analogous

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



33.8469, 33.5340, 81.0314



39.9722, 33.5340, 69.3317



44.2482, 33.5340, 49.7186

# Triad

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



39.9722, 33.5340, 69.3317



36.2009, 33.5340, 13.1300



21.5913, 33.5340, 42.3379

# Complementary

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



39.9722, 33.5340, 69.3317



48.7307, 61.0106, 34.8004

# 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.



22.0515, 33.5340, 25.8806



39.9722, 33.5340, 69.3317



29.9775, 33.5340, 12.2905

# Square

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



39.9722, 33.5340, 69.3317



41.8843, 33.5340, 18.9772



24.9492, 33.5340, 16.1355



23.5996, 33.5340, 62.4636



# Rectangle

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



39.9722, 33.5340, 69.3317



45.1900, 33.5340, 36.8474



24.9492, 33.5340, 16.1355



21.4688, 33.5340, 36.1802

# Sweetspot

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



39.9733, 33.5354, 69.3325



82.5574, 82.2746, 106.1371



40.4228, 44.4532, 71.4161



17.3190, 17.1161, 22.6409



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.



39.9733, 33.5354, 69.3325



52.4455, 41.2486, 99.8053



49.3065, 38.3468, 69.7692



12.2794, 12.2854, 15.6616



10.5193, 4.5754, 38.7819



0.7293, 0.3249, 2.3436



# Inverse Universe

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



46.4364, 37.3236, 49.0138



63.4763, 47.7198, 64.8733



41.2402, 57.1491, 34.4499



12.7012, 12.5320, 14.3665



18.7091, 9.4200, 11.0381

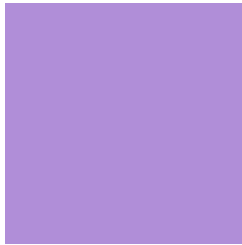


1.1700, 0.5848, 0.8847



# Previews

## White Background



This preview shows how the XYZ color 39.9722, 33.5340, 69.3317 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 39.9722, 33.5340, 69.3317 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

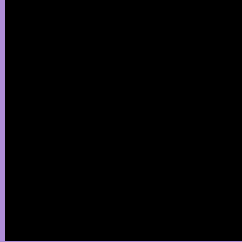
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.9722, 33.5340, 69.3317**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.9722, 33.5340, 69.3317.



This preview shows how white text looks on a background with the XYZ color 39.9722, 33.5340,



# 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

39.9722, 33.5340, 69.3317

### Protanopia

35.1146, 33.6705, 76.5998

### Deuteranopia

34.5468, 33.8222, 67.6583



## Tritanopia

33.8654, 33.3523, 39.7747

# Trichromacy



## Original Color

39.9722, 33.5340, 69.3317

## Protanomaly

36.4856, 33.4762, 73.6458

## Deuteranomaly

36.1808, 33.4400, 68.1660

## Tritanomaly

35.7147, 33.1448, 49.3150

# Monochromacy



## Original Color

39.9722, 33.5340, 69.3317

## Achromatopsia

33.8758, 35.6400, 38.8120

## Achromatomaly

35.6220, 34.5544, 48.5082

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.9722, 33.5340, 69.3317 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(176, 142, 216)` looks like.

```
.text, #text, p{  
    color:rgb(176, 142, 216)  
}
```

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(176, 142, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 142, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 39.9722, 33.5340, 69.3317 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(176, 142, 216) }
```



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

```
.border{ border-color:rgb(176, 142, 216) }
```

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

Here you see how a box with a 4 pixel rgb(176, 142, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 142, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 142, 216);  
box-shadow:4px 4px 4px 4px rgb(176, 142,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.9722, 33.5340, 69.3317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 142, 216) }
```

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

```
.background{ background-color: rgb(176,  
142, 216) }
```

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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