

# Converting Colors

XYZ(39.7902, 28.2260, 66.3985)

Have a look what the booklet for  
XYZ(39.7902, 28.2260, 66.3985)  
contains.

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# Color

**XYZ(39.8792, 28.2720,  
66.3060)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C073D5
RGB	192, 115, 213
RGB Percent	75%, 45%, 84%
CMY	0.2471, 0.5490, 0.1647
CMYK	0.10, 0.46, 0.00, 0.16
HSL	287°, 54%, 64%
HSV	287°, 46%, 84%
XYZ	39.8792, 28.2720, 66.3060
YIQ	149.1950, 14.4340, 46.8020

# Conversions

## Conversions Part 2

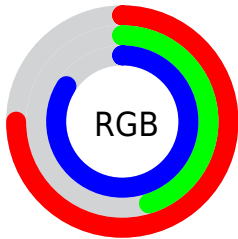
Format	Color
R <sub>Y</sub> B	192, 115, 213
Decimal	12612565
CIE Lab	60.13, 46.15, -38.26
CIE LCh	60, 59.949, 320.344
Yxy	28.2720, 0.2966, 0.2103
Android (android.graphics.Color)	4290802645 (0xFFC073D5)
YUV	149.1950, 31.4559, 37.5400
Hunter-Lab	53.1714, 40.8271, -36.7160

# Details

The XYZ color **39.8792, 28.2720, 66.3060** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **37.0430, 54.0612, 24.7033**, and the grayscale version is **28.5175, 30.0026, 32.6728**.

A 20% lighter version of the original color is **71.6623, 55.9199, 101.6244**, and **18.1024, 11.2579, 33.5666** is the 20% darker color. If you saturate the color by 10%, you get **36.5875, 23.3770, 65.5351**, and if you desaturate by 10%, it is **43.7698, 34.3100, 67.2668**.

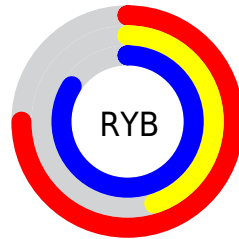
# Distribution



Red (75%)

Green (45%)

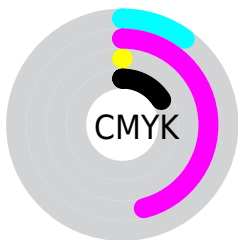
Blue (84%)



Red (75%)

Yellow (45%)

Blue (84%)

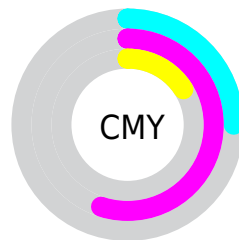


Cyan (10%)

Magenta (46%)

Yellow (0%)

Black (16%)



Cyan (25%)

Magenta (55%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8792, 28.2720, 66.3060 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 39.8792, 28.2720, 66.3060 by changing the saturation by 10% instead.





 39.8792, 28.2720,  
66.3060


 39.8792, 28.2720,  
66.3060


336.7573,  
293.7644, 465.9045


 27.6282, 18.5308,  
48.0628


 74.2650, 56.9184,  
115.5566

 18.1846, 11.3317,  
33.5163


 97.1306, 76.5924,  
147.4011

 11.1831, 6.2904,  
22.2479


 124.2649,  
100.3461, 184.6164

 6.2583, 3.0225,  
13.8391

156.0335,  
128.5640, 227.6211

 3.0449, 1.1435,  
7.8714

192.8017,  
161.6303, 276.8337

 1.1776, 0.0148,  
3.9262

234.9348,

 0.0885, 0.0000,

199.9296, 332.6728

1.5849

282.7983,  
243.8461, 395.5569

■ 0.0000, 0.0000,  
0.2800

■ 0.0000, 0.0000,  
0.0000

■ 39.8792, 28.2720,  
66.3060

■ 39.8792, 28.2720,  
66.3060

■ 36.5875, 23.3770,  
65.5351

■ 43.7698, 34.3100,  
67.2668

■ 33.8522, 19.5430,  
64.9392

■ 48.2922, 41.5586,  
68.4276

■ 31.6298, 16.6825,  
64.5042


■ 53.4801, 50.0840,  
69.7997


■ 29.8685, 14.6922,  
64.2129


■ 59.3640, 59.9470,  
71.3934


 28.5036, 13.4438,  
64.0439


 65.9725, 71.2040,  
73.2179

 28.0226, 13.0587,  
63.9949

 73.3324, 83.9084,  
75.2822

 78.4957, 92.1636,  
76.6035

 79.9290, 92.9025,  
76.6705

 81.4006, 93.6612,  
76.7394

# Harmonies

## Analogous

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



32.3237, 28.2720, 89.6799



39.8792, 28.2720, 66.3060



44.1615, 28.2720, 38.4131

# Triad

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



39.8792, 28.2720, 66.3060



29.4182, 28.2720, 5.1151



15.2936, 28.2720, 47.8981

# Complementary

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



39.8792, 28.2720, 66.3060



37.0430, 54.0612, 24.7033

# 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.



14.8112, 28.2720, 24.2374



39.8792, 28.2720, 66.3060



22.0700, 28.2720, 5.7547

# Square

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



39.8792, 28.2720, 66.3060



37.4081, 28.2720, 8.3911



17.0535, 28.2720, 10.9502



18.5266, 28.2720, 76.0104



# Rectangle

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



39.8792, 28.2720, 66.3060



44.1187, 28.2720, 23.8140



17.0535, 28.2720, 10.9502



14.8318, 28.2720, 38.9949

# Sweetspot

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



39.8802, 28.2732, 66.3066



81.9412, 77.8776, 105.3209



27.9186, 26.1243, 66.5223



17.1472, 16.0177, 22.4379



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.



39.8802, 28.2732, 66.3066



55.1871, 35.4236, 98.5365



42.3537, 29.9213, 49.5722



12.6805, 12.4922, 15.6804



17.2062, 8.0226, 39.0948



1.1042, 0.5181, 2.3611



# Inverse Universe

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



38.0161, 28.1863, 26.7304



52.4379, 35.5028, 30.7974



35.8057, 53.2102, 34.2786



12.5311, 12.4639, 13.4709



17.0898, 8.7722, 2.5108

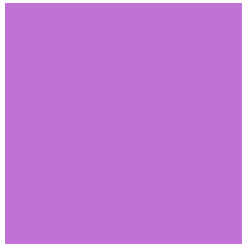


1.0619, 0.5415, 0.3153



# Previews

## White Background



This preview shows how the XYZ color 39.8792, 28.2720, 66.3060 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

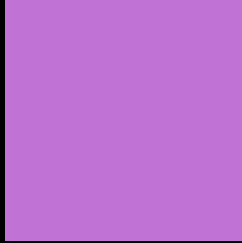
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.8792, 28.2720, 66.3060 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

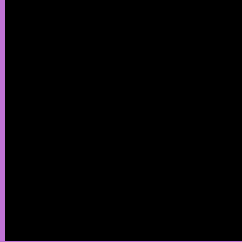
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 39.8792, 28.2720, 66.3060**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.8792, 28.2720, 66.3060.



This preview shows how white text looks on a background with the XYZ color 39.8792, 28.2720,



# 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

39.8792, 28.2720, 66.3060

### Protanopia

30.9977, 28.5903, 83.2416

### Deuteranopia

29.3845, 28.6382, 63.6535



## Tritanopia

32.2902, 28.1307, 29.3191

# Trichromacy



## Original Color

39.8792, 28.2720, 66.3060



## Protanomaly

32.9023, 27.5929, 76.9906



## Deuteranomaly

32.0530, 27.6312, 64.6168



## Tritanomaly

34.6512, 27.9335, 40.6112

# Monochromacy



## Original Color

39.8792, 28.2720, 66.3060



## Achromatopsia

28.5667, 30.0544, 32.7292



## Achromatomaly

31.9091, 28.8692, 42.9202

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.8792, 28.2720, 66.3060 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(192, 115, 213)` looks like.

```
.text, #text, p{  
    color:rgb(192, 115, 213)  
}
```

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(192, 115, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 115, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 39.8792, 28.2720, 66.3060 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(192, 115, 213) }
```



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

```
.border{ border-color:rgb(192, 115, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 115, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 115, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 115, 213);  
box-shadow:4px 4px 4px 4px rgb(192, 115,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.8792, 28.2720, 66.3060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 115, 213) }
```

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

```
.background{ background-color: rgb(192,  
115, 213) }
```

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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