

# Converting Colors

XYZ(38.8922, 25.2196, 62.1839)

Have a look what the booklet for  
XYZ(38.8922, 25.2196, 62.1839)  
contains.

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# Color

**XYZ(39.0416, 25.2952,  
62.4993)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C662D0
RGB	198, 98, 208
RGB Percent	78%, 38%, 82%
CMY	0.2235, 0.6157, 0.1843
CMYK	0.05, 0.53, 0.00, 0.18
HSL	295°, 54%, 60%
HSV	295°, 53%, 82%
XYZ	39.0416, 25.2952, 62.4993
YIQ	140.4400, 24.2900, 55.4100

# Conversions

## Conversions Part 2

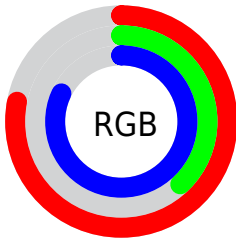
Format	Color
R <sub>Y</sub> B	198, 98, 208
Decimal	13001424
CIE Lab	57.36, 55.46, -39.73
CIE LCh	57, 68.223, 324.386
Yxy	25.2952, 0.3078, 0.1994
Android (android.graphics.Color)	4291191504 (0xFFC662D0)
YUV	140.4400, 33.3071, 50.4801
Hunter-Lab	50.2943, 50.5478, -38.4719

# Details

The XYZ color **39.0416, 25.2952, 62.4993** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **30.9456, 49.1824, 19.4185**, and the grayscale version is **24.9670, 26.2673, 28.6051**.

A 20% lighter version of the original color is **70.6812, 51.2625, 100.7771**, and **17.7690, 9.7784, 31.0879** is the 20% darker color. If you saturate the color by 10%, you get **36.8473, 21.6412, 61.9100**, and if you desaturate by 10%, it is **41.7496, 29.9658, 63.2585**.

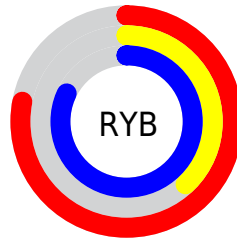
# Distribution



Red (78%)

Green (38%)

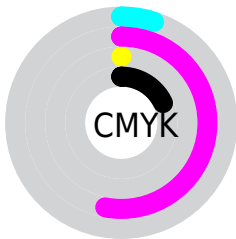
Blue (82%)



Red (78%)

Yellow (38%)

Blue (82%)

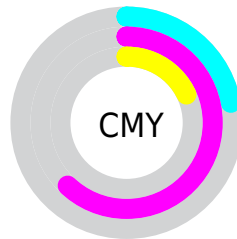


Cyan (5%)

Magenta (53%)

Yellow (0%)

Black (18%)



Cyan (22%)

Magenta (62%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.0416, 25.2952, 62.4993 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 39.0416, 25.2952, 62.4993 by changing the saturation by 10% instead.




 39.0416, 25.2952,  
62.4993


 39.0416, 25.2952,  
62.4993


333.2714,  
279.3049, 451.8079


 26.9730, 16.2971,  
44.9979


 72.9955, 52.1357,  
110.0254

 17.6894, 9.7347,  
31.1128


 95.6115, 70.7470,  
140.8872

 10.8256, 5.2234,  
20.4256


 122.4740, 93.3314,  
177.0395

 6.0161, 2.3789,  
12.5176

 153.9484,  
120.2733, 218.9009

 2.8956, 0.8150,  
6.9704

190.3999,  
151.9573, 266.8899

 1.0988, 0.0000,  
3.3655

232.1941,

 0.0241, 0.0000,

188.7676, 321.4250

1.2841

279.6961,  
231.0887, 382.9248

■ 0.0000, 0.0000,  
0.0487

■ 0.0000, 0.0000,  
0.0000

■ 39.0416, 25.2952,  
62.4993

■ 39.0416, 25.2952,  
62.4993

■ 36.8473, 21.6412,  
61.9100

■ 41.7496, 29.9658,  
63.2585

■ 35.1238, 18.9203,  
61.4757


■ 45.0042, 35.7213,  
64.1978

■ 33.8260, 17.0416,  
61.1814


■ 48.8389, 42.6276,  
65.3288


■ 32.8983, 15.8940,  
61.0088


■ 53.2837, 50.7448,  
66.6613


 32.3946, 15.3848,  
60.9371

 58.3665, 60.1285,  
68.2046

 64.1134, 70.8311,  
69.9676

 70.5491, 82.9019,  
71.9583

 74.6229, 90.2394,  
73.1598

 75.1751, 90.5240,  
73.1857

# Harmonies

## Analogous

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



31.0566, 25.2952, 91.3384



39.0416, 25.2952, 62.4993



43.0923, 25.2952, 32.1363

# Triad

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



39.0416, 25.2952, 62.4993



25.5971, 25.2952, 2.7374



12.4719, 25.2952, 50.3445

# Complementary

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



39.0416, 25.2952, 62.4993



30.9456, 49.1824, 19.4185

# 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.



11.6428, 25.2952, 23.4082



39.0416, 25.2952, 62.4993



18.1727, 25.2952, 3.6266

# Square

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



39.0416, 25.2952, 62.4993



34.2903, 25.2952, 4.8762



13.4808, 25.2952, 8.8878



16.0713, 25.2952, 81.9814



# Rectangle

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



39.0416, 25.2952, 62.4993



42.4853, 25.2952, 17.8872



13.4808, 25.2952, 8.8878



11.8996, 25.2952, 40.1647

# Sweetspot

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



39.0425, 25.2963, 62.4998



82.0359, 75.9778, 104.9492



21.8918, 18.0892, 62.0127



17.2421, 15.6831, 22.3683



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.



39.0425, 25.2963, 62.4998



58.1539, 33.8825, 98.0827



37.0817, 24.8266, 37.9606



12.2004, 11.9522, 14.9076



20.2330, 9.6108, 37.9812



1.1630, 0.5537, 2.1251



# Inverse Universe

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



33.0877, 23.2290, 16.9280



48.0317, 30.4309, 17.7971



32.4762, 49.6621, 33.4664



11.8518, 11.8254, 12.4952



16.3008, 8.3931, 1.2241



0.9268, 0.4754, 0.1494



# Previews

## White Background



This preview shows how the XYZ color 39.0416, 25.2952, 62.4993 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

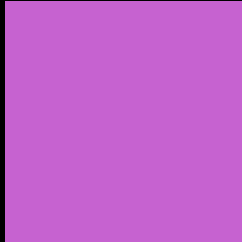
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.0416, 25.2952, 62.4993 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

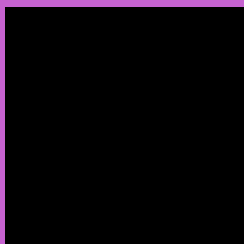
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 39.0416, 25.2952, 62.4993**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.0416, 25.2952, 62.4993.



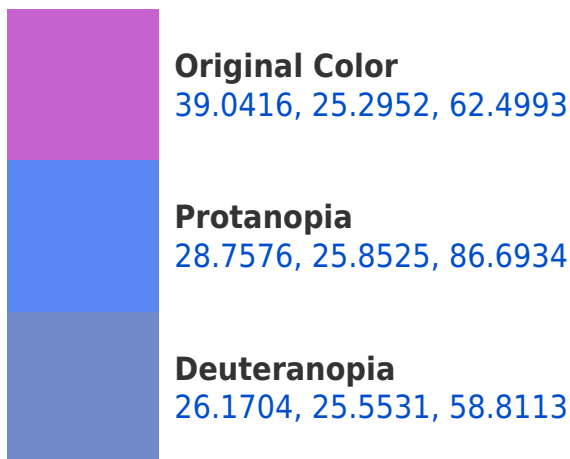
This preview shows how white text looks on a background with the XYZ color 39.0416, 25.2952,



# 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





## Tritanopia

31.0482, 25.1805, 23.3026

# Trichromacy



## Original Color

39.0416, 25.2952, 62.4993



## Protanomaly

30.1557, 24.2433, 77.2188



## Deuteranomaly

29.3097, 24.3652, 60.2849



## Tritanomaly

33.4234, 24.9756, 34.5117

# Monochromacy



## Original Color

39.0416, 25.2952, 62.4993



## Achromatopsia

24.9269, 26.2251, 28.5591



## Achromatomaly

28.8231, 24.9609, 38.8961

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.0416, 25.2952, 62.4993 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(198, 98, 208)` looks like.

```
.text, #text, p{  
    color:rgb(198, 98, 208)  
}
```

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(198, 98, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 98, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 39.0416, 25.2952, 62.4993 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(198, 98, 208) }
```



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

```
.border{ border-color:rgb(198, 98, 208) }
```

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

Here you see how a box with a 4 pixel rgb(198, 98, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 98, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 98, 208);  
box-shadow:4px 4px 4px 4px rgb(198, 98,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.0416, 25.2952, 62.4993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 98, 208) }
```

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

```
.background{ background-color: rgb(198, 98,  
208) }
```

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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