

# Converting Colors

XYZ(39.3878, 38.3331, 65.7700)

Have a look what the booklet for  
XYZ(39.3878, 38.3331, 65.7700)  
contains.

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# Color

**XYZ(39.5061, 38.4792,  
65.6666)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2A3D1
RGB	162, 163, 209
RGB Percent	64%, 64%, 82%
CMY	0.3647, 0.3608, 0.1804
CMYK	0.22, 0.22, 0.00, 0.18
HSL	239°, 34%, 73%
HSV	239°, 22%, 82%
XYZ	39.5061, 38.4792, 65.6666
YIQ	167.9450, -15.3620, 14.0940

# Conversions

## Conversions Part 2

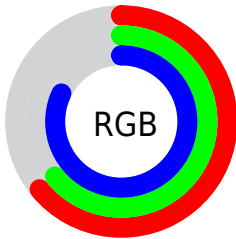
Format	Color
R <sub>YB</sub>	162, 163, 209
Decimal	10658769
CIE Lab	68.37, 9.47, -23.51
CIE LCh	68, 25.343, 291.947
Yxy	38.4792, 0.2750, 0.2679
Android (android.graphics.Color)	4288848849 (0xFFA2A3D1)
YUV	167.9450, 20.2401, -5.2138
Hunter-Lab	62.0316, 5.1261, -19.3422

# Details

The XYZ color **39.5061, 38.4792, 65.6666** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **55.3724, 61.2759, 43.0925**, and the grayscale version is **37.1027, 39.0349, 42.5090**.

A 20% lighter version of the original color is **71.7367, 72.1145, 104.7463**, and **17.8238, 16.9532, 32.9047** is the 20% darker color. If you saturate the color by 10%, you get **32.2655, 29.7848, 64.3707**, and if you desaturate by 10%, it is **48.0422, 48.7152, 67.1931**.

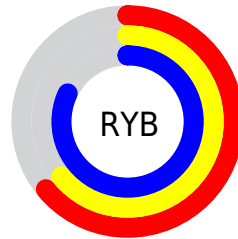
# Distribution



Red (64%)

Green (64%)

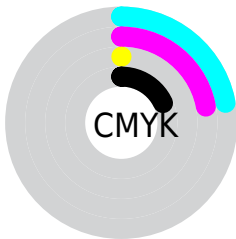
Blue (82%)



Red (64%)

Yellow (64%)

Blue (82%)

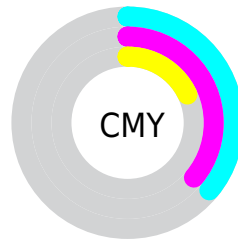


Cyan (22%)

Magenta (22%)

Yellow (0%)

Black (18%)



Cyan (36%)

Magenta (36%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5061, 38.4792, 65.6666 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 39.5061, 38.4792, 65.6666 by changing the saturation by 10% instead.



■ 39.5061, 38.4792,  
65.6666

■ 39.5061, 38.4792,  
65.6666

335.2077,  
339.6712, 463.5552

■ 27.3362, 26.3548,  
47.5470

■ 73.7000, 72.8420,  
114.6301

■ 17.9637, 17.0893,  
33.1109

■ 96.4546, 95.8493,  
146.3111

■ 11.0235, 10.2982,  
21.9396

123.4682,  
123.2529, 183.3497

■ 6.1500, 5.5971,  
13.6146

155.1061,  
155.4374, 226.1645

■ 2.9781, 2.6017,  
7.7174

191.7336,  
192.7870, 275.1738

■ 1.1422, 0.9275,  
3.8295

233.7161,

■ 0.0600, 0.0000,

235.6863, 330.7964

1.5323

281.4190,  
284.5195, 393.4507

■ 0.0000, 0.0000,  
0.2418

■ 0.0000, 0.0000,  
0.0000

■ 39.5061, 38.4792,  
65.6666

■ 39.5061, 38.4792,  
65.6666

■ 32.2655, 29.7848,  
64.3707

■ 48.0422, 48.7152,  
67.1931

■ 26.2536, 22.5531,  
63.2917

■ 57.9288, 60.5575,  
68.9578

■ 21.4033, 16.7051,  
62.4185

■ 69.2222, 74.0728,  
70.9713

■ 17.6398, 12.1524,  
61.7381

■ 81.9745, 89.3225,  
73.2426

■ 14.8791, 8.7968,  
61.2359

■ 88.5087, 97.3835,  
74.4542

■ 13.0255, 6.5256,  
60.8953

■ 11.9643, 5.2050,  
60.6963

■ 11.5571, 4.7001,  
60.6203

# Harmonies

## Analogous

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



35.5127, 38.4792, 67.5339



39.5061, 38.4792, 65.6666



42.9305, 38.4792, 56.8959

# Triad

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



39.5061, 38.4792, 65.6666



41.4915, 38.4792, 26.9116



29.5131, 38.4792, 38.9040

# Complementary

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



39.5061, 38.4792, 65.6666



55.3724, 61.2759, 43.0925

# 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.



30.8769, 38.4792, 29.7975



39.5061, 38.4792, 65.6666



37.6549, 38.4792, 23.7407

# Square

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



39.5061, 38.4792, 65.6666



44.1334, 38.4792, 34.2344



33.7894, 38.4792, 24.6920



29.9300, 38.4792, 50.6260



# Rectangle

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



39.5061, 38.4792, 65.6666



44.3352, 38.4792, 49.0561



33.7894, 38.4792, 24.6920



29.7748, 38.4792, 35.4712

# Sweetspot

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



39.5073, 38.4808, 65.6675



83.4631, 86.1262, 106.8328



49.0172, 57.8093, 67.8851



17.6617, 18.1916, 22.8304



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.



39.5073, 38.4808, 65.6675



56.2376, 53.4807, 101.9665



44.1811, 40.6273, 65.8355



11.1836, 11.4574, 14.8657



7.1348, 2.9162, 37.3793



0.4062, 0.1776, 2.0924



# Inverse Universe

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



45.8267, 42.0414, 40.3514



67.8663, 60.0554, 55.3754



49.8327, 58.7835, 42.9034



11.8188, 11.8123, 12.3216



16.2320, 8.3657, 0.8621

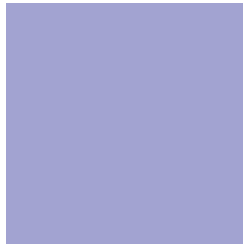


0.9113, 0.4692, 0.0675



# Previews

## White Background



This preview shows how the XYZ color 39.5061, 38.4792, 65.6666 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 39.5061, 38.4792, 65.6666 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

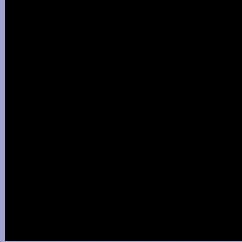
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.5061, 38.4792, 65.6666**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.5061, 38.4792, 65.6666.



This preview shows how white text looks on a background with the XYZ color 39.5061, 38.4792,

65.6666.

# 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

39.5061, 38.4792, 65.6666

### Protanopia

38.6056, 38.5320, 66.3755

### Deuteranopia

39.3038, 38.3749, 65.6572



## Tritanopia

36.2477, 38.5096, 49.2387

# Trichromacy



## Original Color

39.5061, 38.4792, 65.6666

## Protanomaly

39.0089, 38.4732, 66.3428

## Deuteranomaly

39.3038, 38.3749, 65.6572

## Tritanomaly

37.3383, 38.4050, 54.7352

# Monochromacy



## Original Color

39.5061, 38.4792, 65.6666

## Achromatopsia

37.2190, 39.1572, 42.6422

## Achromatomaly

37.9093, 38.7983, 50.2905

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.5061, 38.4792, 65.6666 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(162, 163, 209)` looks like.

```
.text, #text, p{  
    color:rgb(162, 163, 209)  
}
```

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(162, 163, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 163, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 39.5061, 38.4792, 65.6666 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(162, 163, 209) }
```



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

```
.border{ border-color:rgb(162, 163, 209) }
```

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

Here you see how a box with a 4 pixel rgb(162, 163, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 163, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 163, 209);  
box-shadow:4px 4px 4px 4px rgb(162, 163,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.5061, 38.4792, 65.6666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 163, 209) }
```

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

```
.background{ background-color: rgb(162,  
163, 209) }
```

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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