

# Converting Colors

XYZ(39.8152, 35.3238, 68.5605)

Have a look what the booklet for  
XYZ(39.8152, 35.3238, 68.5605)  
contains.

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# Color

**XYZ(39.8385, 35.3257,  
68.3371)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AB96D6
RGB	171, 150, 214
RGB Percent	67%, 59%, 84%
CMY	0.3294, 0.4117, 0.1608
CMYK	0.20, 0.30, 0.00, 0.16
HSL	260°, 44%, 71%
HSV	260°, 30%, 84%
XYZ	39.8385, 35.3257, 68.3371
YIQ	163.5750, -8.0280, 24.3560

# Conversions

## Conversions Part 2

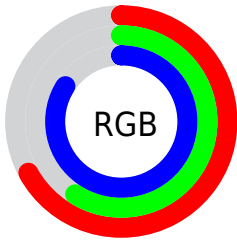
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	171, 150, 214
Decimal	11245270
CIE <sub>Lab</sub>	66.00, 20.73, -29.85
CIE <sub>LCh</sub>	66, 36.349, 304.781
Yxy	35.3257, 0.2776, 0.2462
Android (android.graphics.Color)	4289435350 (0xFFAB96D6)
YUV	163.5750, 24.8595, 6.5117
Hunter-Lab	59.4354, 15.6333, -26.5651

# Details

The XYZ color **39.8385, 35.3257, 68.3371** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.5451, 61.6335, 38.0355**, and the grayscale version is **34.9744, 36.7958, 40.0706**.

A 20% lighter version of the original color is **71.3214, 66.7366, 103.7302**, and **18.1911, 15.2784, 34.7911** is the 20% darker color. If you saturate the color by 10%, you get **33.7672, 27.5817, 67.1629**, and if you desaturate by 10%, it is **46.8765, 44.4954, 69.7367**.

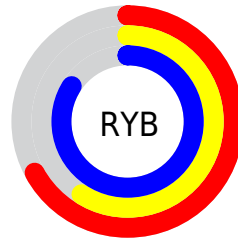
# Distribution



Red (67%)

Green (59%)

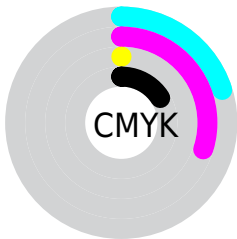
Blue (84%)



Red (67%)

Yellow (59%)

Blue (84%)

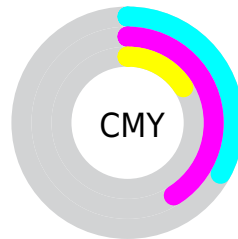


Cyan (20%)

Magenta (30%)

Yellow (0%)

Black (16%)



Cyan (33%)

Magenta (41%)

Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8385, 35.3257, 68.3371 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 39.8385, 35.3257, 68.3371 by changing the saturation by 10% instead.



■ 39.8385, 35.3257,  
68.3371

■ 39.8385, 35.3257,  
68.3371

336.5885,  
326.0036, 473.3199

■ 27.5963, 23.9139,  
49.7036

■ 74.2034, 67.9900,  
118.4930

■ 18.1605, 15.2697,  
34.8084

■ 97.0569, 90.0113,  
150.8526

■ 11.1656, 9.0089,  
23.2330

124.1781,  
116.3379, 188.6245

■ 6.2465, 4.7470,  
14.5587

155.9325,  
147.3541, 232.2275

■ 3.0376, 2.0996,  
8.3671

192.6853,  
183.4444, 282.0800

■ 1.1737, 0.6644,  
4.2396

234.8021,

■ 0.0854, 0.0000,

224.9932, 338.6005

1.7577

282.6480,  
272.3848, 402.2076

■ 0.0000, 0.0000,  
0.3998

■ 0.0000, 0.0000,  
0.0000

■ 39.8385, 35.3257,  
68.3371

■ 39.8385, 35.3257,  
68.3371

■ 33.7672, 27.5817,  
67.1629

■ 46.8765, 44.4954,  
69.7367

■ 28.6141, 21.1855,  
66.1999

■ 54.9194, 55.1546,  
71.3702

■ 24.3319, 16.0582,  
65.4360

■ 64.0076, 67.3684,  
73.2487

■ 20.8670, 12.1107,  
64.8567

■ 74.1781, 81.1967,  
75.3818

■ 18.1593, 9.2419,  
64.4456

■ 84.8233, 95.4109,  
77.5643

■ 16.1391, 7.3326,  
64.1836

■ 89.1377, 97.6351,  
77.7663

■ 14.6912, 6.1748,  
64.0364

■ 14.6791, 6.1652,  
64.0352

# Harmonies

## Analogous

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



34.4469, 35.3257, 76.2478



39.8385, 35.3257, 68.3371



43.8463, 35.3257, 52.5390

# Triad

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



39.8385, 35.3257, 68.3371



38.1858, 35.3257, 17.3833



24.2751, 35.3257, 40.9898

# Complementary

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



39.8385, 35.3257, 68.3371



51.5451, 61.6335, 38.0355

# 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.



25.0495, 35.3257, 27.1576



39.8385, 35.3257, 68.3371



32.7200, 35.3257, 15.8277

# Square

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



39.8385, 35.3257, 68.3371



42.8228, 35.3257, 23.9012



28.0068, 35.3257, 18.8806



25.7665, 35.3257, 57.9900



# Rectangle

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



39.8385, 35.3257, 68.3371



44.9843, 35.3257, 41.2257



28.0068, 35.3257, 18.8806



24.2807, 35.3257, 35.8279

# Sweetspot

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



39.8397, 35.3271, 68.3379



82.7135, 83.4133, 106.3486



43.9489, 49.8052, 70.9159



17.3034, 17.3188, 22.6808



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.



39.8397, 35.3271, 68.3379



53.2569, 44.8651, 100.4606



47.4744, 39.2630, 68.6952



12.1226, 12.2046, 15.6543



8.9705, 3.7770, 38.7094



0.6271, 0.2722, 2.3388



# Inverse Universe

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



48.2647, 39.9605, 55.6229



67.9469, 52.9551, 77.7880



44.3989, 57.9495, 37.7011



12.7717, 12.5602, 14.7379



19.8445, 9.8741, 17.0169

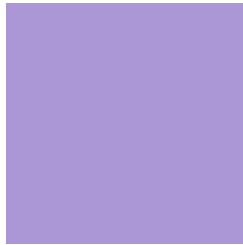


1.2343, 0.6105, 1.2234



# Previews

## White Background



This preview shows how the XYZ color 39.8385, 35.3257, 68.3371 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

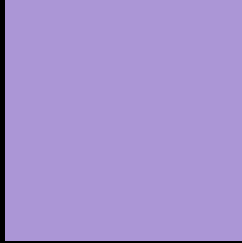
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.8385, 35.3257, 68.3371 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

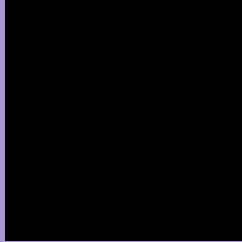
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.8385, 35.3257, 68.3371**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.8385, 35.3257, 68.3371.



This preview shows how white text looks on a background with the XYZ color 39.8385, 35.3257,



# 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

39.8385, 35.3257, 68.3371

### Protanopia

36.3005, 35.3718, 72.6243

### Deuteranopia

36.3233, 35.5031, 67.2257



## Tritanopia

34.6818, 35.1805, 43.4907

# Trichromacy



## Original Color

39.8385, 35.3257, 68.3371

## Protanomaly

37.5131, 35.2769, 71.1616

## Deuteranomaly

37.4419, 35.3147, 67.7938

## Tritanomaly

36.4169, 35.1375, 51.8766

# Monochromacy



## Original Color

39.8385, 35.3257, 68.3371

## Achromatopsia

35.2861, 37.1238, 40.4278

## Achromatomaly

36.7780, 36.3892, 49.3414

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.8385, 35.3257, 68.3371 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(171, 150, 214)` looks like.

```
.text, #text, p{  
    color:rgb(171, 150, 214)  
}
```

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(171, 150, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 150, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 39.8385, 35.3257, 68.3371 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(171, 150, 214) }
```



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

```
.border{ border-color:rgb(171, 150, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 150, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 150, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 150, 214);  
box-shadow:4px 4px 4px 4px rgb(171, 150,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.8385, 35.3257, 68.3371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 150, 214) }
```

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

```
.background{ background-color: rgb(171,  
150, 214) }
```

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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