

# Converting Colors

XYZ(39.6676, 40.2366, 51.0231)

Have a look what the booklet for  
XYZ(39.6676, 40.2366, 51.0231)  
contains.

<b>XYZ(39.6676, 40.2366, 51.0231)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(39.6676, 40.2366,  
51.0231)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ACA8B8
RGB	172, 168, 184
RGB Percent	67%, 66%, 72%
CMY	0.3255, 0.3412, 0.2784
CMYK	0.07, 0.09, 0.00, 0.28
HSL	255°, 10%, 69%
HSV	255°, 9%, 72%
XYZ	39.6676, 40.2366, 51.0231
YIQ	171.0200, -2.7520, 5.8240

# Conversions

## Conversions Part 2

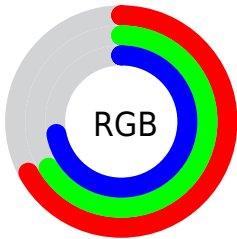
Format	Color
R <sub>Y</sub> B	172, 168, 184
Decimal	11315384
CIE Lab	69.64, 4.53, -7.69
CIE LCh	70, 8.927, 300.462
Yxy	40.2366, 0.3030, 0.3073
Android (android.graphics.Color)	4289505464 (0xFFACA8B8)
YUV	171.0200, 6.3991, 0.8595
Hunter-Lab	63.4323, 0.6190, -3.2885

# Details

The XYZ color **39.6676, 40.2366, 51.0231** is a light color, and the websafe version is hex **999999**. A complement of this color would be **43.0322, 46.8125, 43.8154**, and the grayscale version is **38.6896, 40.7044, 44.3271**.

A 20% lighter version of the original color is **73.7944, 75.3975, 93.1019**, and **18.0879, 18.1225, 24.0174** is the 20% darker color. If you saturate the color by 10%, you get **33.6348, 32.4365, 49.8361**, and if you desaturate by 10%, it is **46.4980, 49.1636, 52.3868**.

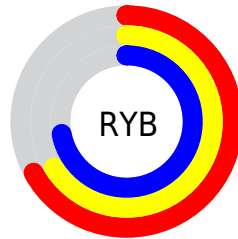
# Distribution



Red (67%)

Green (66%)

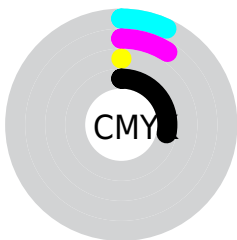
Blue (72%)



Red (67%)

Yellow (66%)

Blue (72%)

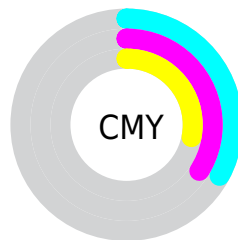


Cyan (7%)

Magenta (9%)

Yellow (0%)

Black (28%)



Cyan (33%)

Magenta (34%)

Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6676, 40.2366, 51.0231 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 39.6676, 40.2366, 51.0231 by changing the saturation by 10% instead.



■ 39.6676, 40.2366,  
51.0231

■ 39.6676, 40.2366,  
51.0231

335.8791,  
347.1198, 407.5026

■ 27.4625, 27.7231,  
35.8501

■ 73.9446, 75.5237,  
93.1008

■ 18.0593, 18.1170,  
24.0297

■ 96.7473, 99.0660,  
120.8426

■ 11.0925, 11.0340,  
15.1432

123.8133,  
127.0534, 153.6110

■ 6.1968, 6.0897,  
8.7722

155.5078,  
159.8702, 191.8247

■ 3.0069, 2.8997,  
4.4981

192.1963,  
197.9008, 235.9022

■ 1.1574, 1.0796,  
1.9024

234.2441,

■ 0.0724, 0.0000,

241.5297, 286.2620

0.4943

282.0166,  
291.1412, 343.3226

■ 0.0000, 0.0000,  
0.0000

■ 39.6676, 40.2366,  
51.0231

■ 39.6676, 40.2366,  
51.0231

■ 33.6348, 32.4365,  
49.8361

■ 46.4980, 49.1636,  
52.3868

■ 28.3666, 25.7132,  
48.8161

■ 54.1507, 59.2550,  
53.9313

■ 23.8325, 20.0202,  
47.9562

■ 62.6533, 70.5526,  
55.6638

■ 19.9988, 15.3057,  
47.2482

■ 72.0314, 83.0949,  
57.5905

■ 16.8289, 11.5131,  
46.6833

■ 80.6918, 93.6837,  
59.1778

■ 14.2828, 8.5802,  
46.2513

■ 85.5838, 96.2057,  
59.4068

■ 12.3160, 6.4366,  
45.9413

■ 85.6518, 96.2407,  
59.4100

■ 10.8770, 5.0006,  
45.7399

■ 9.8865, 4.1360,  
45.6252

# Harmonies

## Analogous

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



38.2661, 40.2366, 52.2466



39.6676, 40.2366, 51.0231



40.7087, 40.2366, 47.8461

# Triad

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



39.6676, 40.2366, 51.0231



39.6279, 40.2366, 37.2548



35.5358, 40.2366, 43.8750

# Complementary

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



39.6676, 40.2366, 51.0231



43.0322, 46.8125, 43.8154

# 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.



35.8802, 40.2366, 40.0091



39.6676, 40.2366, 51.0231



38.2213, 40.2366, 36.3357

# Square

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



39.6676, 40.2366, 51.0231



40.6854, 40.2366, 39.9046



36.8543, 40.2366, 37.3124



35.9017, 40.2366, 47.9640



# Rectangle

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



39.6676, 40.2366, 51.0231



41.0456, 40.2366, 45.1407



36.8543, 40.2366, 37.3124



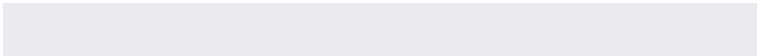
35.5723, 40.2366, 42.5073

# Sweetspot

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



39.6688, 40.2383, 51.0240



78.7159, 81.8179, 93.8483



41.1767, 44.5370, 51.7742



16.7545, 17.3571, 20.1888



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.6688, 40.2383, 51.0240



70.2088, 70.7323, 92.1569



41.4160, 41.1390, 51.1058



8.7258, 8.8250, 11.3229



6.7945, 2.8139, 31.4381



0.2979, 0.1293, 1.1110



# Inverse Universe

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



42.0094, 41.4927, 48.9768



75.1298, 73.3702, 87.8260



41.2815, 45.9100, 43.7335



9.2824, 9.1233, 10.8347



16.8155, 8.3000, 17.4472



0.6160, 0.3019, 0.7373



# Previews

## White Background



This preview shows how the XYZ color 39.6676, 40.2366, 51.0231 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

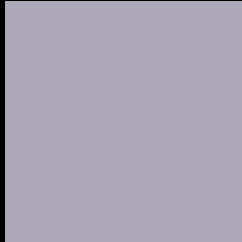
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.6676, 40.2366, 51.0231 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

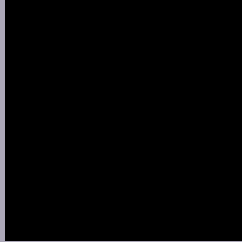
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.6676, 40.2366, 51.0231**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.6676, 40.2366, 51.0231.



This preview shows how white text looks on a background with the XYZ color 39.6676, 40.2366,



# 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

39.6676, 40.2366, 51.0231

### Protanopia

39.3071, 40.3137, 51.6086

### Deuteranopia

41.0345, 40.1163, 51.4794



## Tritanopia

39.4594, 40.1533, 49.9266

# Trichromacy



## Original Color

39.6676, 40.2366, 51.0231

## Protanomaly

39.5225, 40.4248, 51.6186

## Deuteranomaly

40.5246, 40.1223, 51.5074

## Tritanomaly

39.5631, 40.1948, 50.4729

# Monochromacy



## Original Color

39.6676, 40.2366, 51.0231

## Achromatopsia

38.7082, 40.7240, 44.3485

## Achromatomaly

39.0058, 40.5420, 46.8439

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.6676, 40.2366, 51.0231 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(172, 168, 184) looks like.

```
.text, #text, p{  
    color:rgb(172, 168, 184)  
}
```

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(172, 168, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 168, 184) }
```

## Border

The CSS property to change the border of an element to XYZ 39.6676, 40.2366, 51.0231 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(172, 168, 184) }
```



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

```
.border{ border-color:rgb(172, 168, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 168, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 168, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 168, 184);  
box-shadow:4px 4px 4px 4px rgb(172, 168,  
184) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.6676, 40.2366, 51.0231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 168, 184) }
```

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

```
.background{ background-color: rgb(172,  
168, 184) }
```

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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