

# Converting Colors

XYZ(39.6827, 38.9231, 40.4573)

Have a look what the booklet for  
XYZ(39.6827, 38.9231, 40.4573)  
contains.

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# Color

**XYZ(39.6288, 38.8353,  
40.5293)**

# Conversions

Conversions Part 1	
Format	Color
Hex	B9A2A4
RGB	185, 162, 164
RGB Percent	73%, 64%, 64%
CMY	0.2745, 0.3647, 0.3569
CMYK	0.00, 0.12, 0.11, 0.27
HSL	355°, 14%, 68%
HSV	355°, 12%, 73%
XYZ	39.6288, 38.8353, 40.5293
YIQ	169.1050, 13.0660, 5.4980

# Conversions

## Conversions Part 2

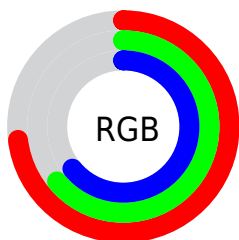
Format	Color
<a href="#">RYB</a>	<a href="#">185, 162, 164</a>
Decimal	<a href="#">12165796</a>
CIELab	<a href="#">68.63, 8.74, 2.05</a>
CIELCh	<a href="#">69, 8.976, 13.190</a>
Yxy	<a href="#">38.8353, 0.3330, 0.3264</a>
Android (android.graphics.Color)	<a href="#">4290355876</a> (0xFFB9A2A4)
YUV	<a href="#">169.1050, -2.5168, 13.9399</a>
Hunter-Lab	<a href="#">62.3180, 4.4540, 5.0626</a>

# Details

The XYZ color **39.6288, 38.8353, 40.5293** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.7980, 45.7992, 51.4919**, and the grayscale version is **37.7725, 39.7396, 43.2764**.

A 20% lighter version of the original color is **73.8747, 73.4410, 77.2997**, and **18.0163, 17.2272, 17.7049** is the 20% darker color. If you saturate the color by 10%, you get **35.1811, 32.2211, 32.0131**, and if you desaturate by 10%, it is **44.7608, 46.4929, 50.2745**.

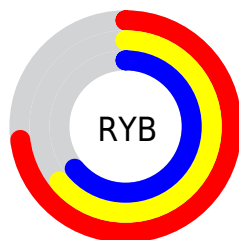
# Distribution



Red (73%)

Green (64%)

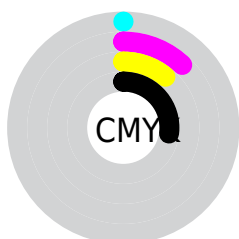
Blue (64%)



Red (73%)

Yellow (64%)

Blue (64%)

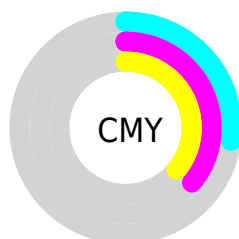


Cyan (0%)

Magenta (12%)

Yellow (11%)

Black (27%)



Cyan (27%)

Magenta (36%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6288, 38.8353, 40.5293 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 39.6288, 38.8353, 40.5293 by changing the saturation by 10% instead.





 39.6288, 38.8353,  
40.5293


 39.6288, 38.8353,  
40.5293


335.7178,  
341.1897, 363.9677

 27.4322, 26.6316,  
27.6346


 73.8859, 73.3866,  
77.2147

 18.0363, 17.2968,  
17.8137


 96.6770, 96.5031,  
101.8425

 11.0759, 10.4463,  
10.6483


123.7304,  
124.0260, 131.2183

 6.1856, 5.6959,  
5.7197

155.4113,  
156.3396, 165.7608

 3.0000, 2.6610,  
2.6094

192.0852,  
193.8284, 205.8884

 1.1538, 0.9574,  
0.8973


234.1173,


 0.0694, 0.0000,


236.8767, 252.0197


0.0000


281.8731,  
285.8691, 304.5733


 0.0000, 0.0000,  
0.0000


 39.6288, 38.8353,  
40.5293

 39.6288, 38.8353,  
40.5293


 35.1811, 32.2211,  
32.0131


 44.7608, 46.4929,  
50.2745


 31.3856, 26.6002,  
24.6746

 50.6010, 55.2309,  
61.2921


 28.2127, 21.9262,  
18.4626

 57.1759, 65.0907,  
73.6265

 25.6289, 18.1469,  
13.3214

 64.5100, 76.1102,  
87.3194

 23.5978, 15.2052,  
9.1903

 72.6264, 88.3255,  
102.4104

■ 22.0790, 13.0373,  
6.0026

■ 73.8178, 89.0544,  
107.9064

■ 21.0261, 11.5700,  
3.6835

■ 20.3848, 10.7166,  
2.1469

■ 20.1018, 10.3520,  
1.4314

# Harmonies

## Analogous

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



39.5821, 38.8353, 44.5823



39.6288, 38.8353, 40.5293



38.9343, 38.8353, 37.1658

# Triad

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



39.6288, 38.8353, 40.5293



35.0781, 38.8353, 36.8468



36.1294, 38.8353, 50.2038

# Complementary

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



39.6288, 38.8353, 40.5293



40.7980, 45.7992, 51.4919

# 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.



34.9606, 38.8353, 47.8540



39.6288, 38.8353, 40.5293



34.3644, 38.8353, 40.0681

# Square

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



39.6288, 38.8353, 40.5293



36.2935, 38.8353, 35.1332



34.3219, 38.8353, 44.0908



37.5370, 38.8353, 50.3470



# Rectangle

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



39.6288, 38.8353, 40.5293



38.1545, 38.8353, 35.6956



34.3219, 38.8353, 44.0908



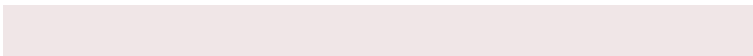
35.6964, 38.8353, 49.6393

# Sweetspot

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



39.6299, 38.8370, 40.5301



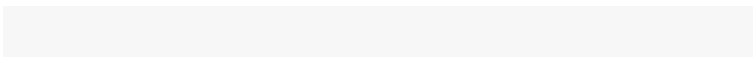
78.5774, 80.8952, 87.0331



41.1356, 39.3757, 51.3317



16.7850, 17.2084, 18.4695



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.



39.6299, 38.8370, 40.5301



68.6119, 66.0359, 68.0762



41.1311, 42.1258, 40.1477



9.0354, 9.0245, 9.5340



13.6993, 7.0535, 1.0375



0.4936, 0.2529, 0.0927



# Inverse Universe

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



39.6299, 38.8370, 40.5301



68.6119, 66.0359, 68.0762



39.1449, 42.1579, 51.9736



9.0354, 9.0245, 9.5340



13.6993, 7.0535, 1.0375



0.4936, 0.2529, 0.0927



# Previews

## White Background



This preview shows how the XYZ color 39.6288, 38.8353, 40.5293 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

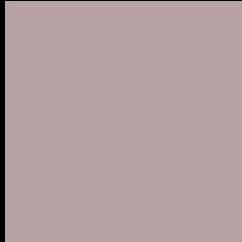
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.6288, 38.8353, 40.5293 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

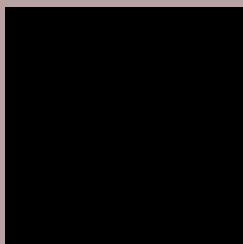
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.6288, 38.8353, 40.5293**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.6288, 38.8353, 40.5293.



This preview shows how white text looks on a background with the XYZ color 39.6288, 38.8353,



# 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

39.6288, 38.8353, 40.5293

### Protanopia

37.5884, 39.0854, 42.1223

### Deuteranopia

39.6288, 38.8353, 40.5293



## Tritanopia

40.5374, 38.9460, 44.9159

# Trichromacy



**Original Color**  
39.6288, 38.8353, 40.5293

**Protanomaly**  
38.2426, 38.8935, 41.5680

**Deuteranomaly**  
39.6288, 38.8353, 40.5293

**Tritanomaly**  
40.2503, 38.8311, 43.4039

# Monochromacy



**Original Color**  
39.6288, 38.8353, 40.5293

**Achromatopsia**  
37.7116, 39.6755, 43.2066

**Achromatomaly**  
38.2905, 39.1764, 42.1029

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.6288, 38.8353, 40.5293 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(185, 162, 164) looks like.

```
.text, #text, p{  
    color:rgb(185, 162, 164)  
}
```

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(185, 162, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 162, 164) }
```

## Border

The CSS property to change the border of an element to XYZ 39.6288, 38.8353, 40.5293 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(185, 162, 164) }
```



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

```
.border{ border-color:rgb(185, 162, 164) }
```

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

Here you see how a box with a 4 pixel rgb(185, 162, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 162, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 162, 164);  
box-shadow:4px 4px 4px 4px rgb(185, 162,  
164) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.6288, 38.8353, 40.5293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 162, 164) }
```

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

```
.background{ background-color: rgb(185,  
162, 164) }
```

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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