

# Converting Colors

XYZ(38.9940, 39.4958, 39.2661)

Have a look what the booklet for  
XYZ(38.9940, 39.4958, 39.2661)  
contains.

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# Color

**XYZ(39.1253, 39.6694,  
39.3130)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B5A6A1
RGB	181, 166, 161
RGB Percent	71%, 65%, 63%
CMY	0.2902, 0.3490, 0.3686
CMYK	0.00, 0.08, 0.11, 0.29
HSL	15°, 12%, 67%
HSV	15°, 11%, 71%
XYZ	39.1253, 39.6694, 39.3130
YIQ	169.9150, 10.5450, 1.6250

# Conversions

## Conversions Part 2

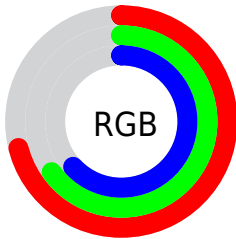
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">181, 168, 161</a>
Decimal	<a href="#">11904673</a>
CIELab	<a href="#">69.23, 4.56, 4.54</a>
CIElCh	<a href="#">69, 6.433, 44.884</a>
Yxy	<a href="#">39.6694, 0.3313, 0.3359</a>
Android (android.graphics.Color)	<a href="#">4290094753</a> ( <a href="#">0xFFB5A6A1</a> )
YUV	<a href="#">169.9150, -4.3951, 9.7215</a>
Hunter-Lab	<a href="#">62.9836, 0.6624, 7.0810</a>

# Details

The XYZ color **39.1253, 39.6694, 39.3130** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.5636, 41.9631, 49.7837**, and the grayscale version is **38.1846, 40.1731, 43.7485**.

A 20% lighter version of the original color is **73.1762, 74.6753, 75.5227**, and **17.7339, 17.7496, 17.2432** is the 20% darker color. If you saturate the color by 10%, you get **35.3052, 34.4011, 30.7266**, and if you desaturate by 10%, it is **43.4391, 45.5544, 49.2049**.

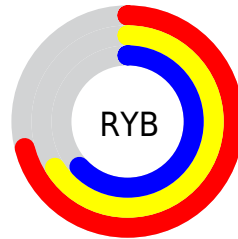
# Distribution



Red (71%)

Green (65%)

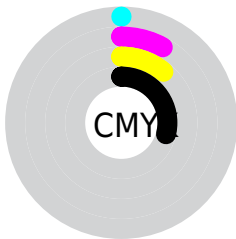
Blue (63%)



Red (71%)

Yellow (66%)

Blue (63%)

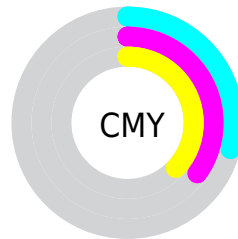


Cyan (0%)

Magenta (8%)

Yellow (11%)

Black (29%)



Cyan (29%)

Magenta (35%)


Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.1253, 39.6694, 39.3130 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 39.1253, 39.6694, 39.3130 by changing the saturation by 10% instead.





 39.1253, 39.6694,  
39.3130


 39.1253, 39.6694,  
39.3130


333.6209,  
344.7282, 358.6850

 27.0384, 27.2809,  
26.6936


 73.1225, 74.6598,  
75.3418

 17.7388, 17.7843,  
17.1128


 95.7636, 98.0305,  
99.5884

 10.8612, 10.7952,  
10.1522


122.6534,  
125.8307, 128.5477

 6.0402, 5.9293,  
5.3930

154.1572,  
158.4448, 162.6383

 2.9104, 2.8021,  
2.4169

190.6406,  
196.2572, 202.2788

 1.1066, 1.0293,  
0.7956

232.4687,

 0.0306, 0.0000,

239.6523, 247.8878

0.0000

280.0071,  
289.0145, 299.8836

■ 0.0000, 0.0000,  
0.0000

■ 39.1253, 39.6694,  
39.3130

■ 39.1253, 39.6694,  
39.3130

■ 35.3052, 34.4011,  
30.7266

■ 43.4391, 45.5544,  
49.2049

■ 31.9576, 29.7243,  
23.3884

■ 48.2602, 52.0699,  
60.4512

■ 29.0646, 25.6195,  
17.2407

■ 53.6059, 59.2360,  
73.1016

■ 26.6056, 22.0643,  
12.2201

■ 59.4917, 67.0701,  
87.2021

■ 24.5588, 19.0348,  
8.2573

■ 65.9323, 75.5891,  
102.7970

■ 22.9001, 16.5053,  
5.2752

■ 70.5007, 83.8327,  
107.0733

■ 21.6026, 14.4476,  
3.1863

■ 72.8663, 88.5639,  
107.8618

■ 20.6357, 12.8307,  
1.8870

■ 20.0054, 11.7221,  
1.2082

# Harmonies

## Analogous

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



39.6512, 39.6694, 41.7526



39.1253, 39.6694, 39.3130



38.2234, 39.6694, 37.9456

# Triad

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



39.1253, 39.6694, 39.3130



35.8247, 39.6694, 41.7310



38.2156, 39.6694, 48.9101

# Complementary

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



39.1253, 39.6694, 39.3130



38.5636, 41.9631, 49.7837

# 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.



37.1905, 39.6694, 48.9036



39.1253, 39.6694, 39.3130



35.8227, 39.6694, 44.6666

# Square

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



39.1253, 39.6694, 39.3130



36.3242, 39.6694, 39.2978



36.3187, 39.6694, 47.3207



39.1195, 39.6694, 47.3379



# Rectangle

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



39.1253, 39.6694, 39.3130



37.5362, 39.6694, 37.7847



36.3187, 39.6694, 47.3207



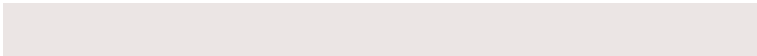
37.8735, 39.6694, 49.0947

# Sweetspot

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



39.1264, 39.6712, 39.3138



76.1805, 79.3887, 84.3888



39.6379, 38.4486, 46.4070



16.3278, 16.9716, 17.9226



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



39.1264, 39.6712, 39.3138



68.5168, 68.9116, 66.8809



41.0149, 43.4481, 39.9433



8.6634, 8.8393, 8.9021



13.8388, 8.1762, 0.8488



0.4826, 0.3516, 0.0424



# Inverse Universe

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



38.5636, 41.9631, 49.7837



67.3284, 73.7488, 88.9810



36.6752, 38.1862, 49.1542



8.5591, 9.2643, 10.8434



11.8491, 14.4986, 32.3110



0.4158, 0.5422, 1.0310



# Previews

## White Background



This preview shows how the XYZ color 39.1253, 39.6694, 39.3130 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

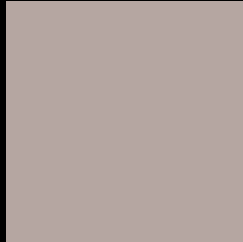
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.1253, 39.6694, 39.3130 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

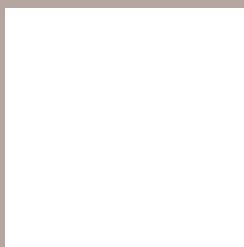
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.1253, 39.6694, 39.3130**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.1253, 39.6694, 39.3130.



This preview shows how white text looks on a background with the XYZ color 39.1253, 39.6694,



# 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

39.1253, 39.6694, 39.3130

### Protanopia

37.9798, 39.6126, 39.8267

### Deuteranopia

40.3578, 39.4944, 39.6785



## Tritanopia

40.6404, 39.7528, 46.6054

# Trichromacy



## Original Color

39.1253, 39.6694, 39.3130

## Protanomaly

38.4718, 39.5932, 39.7970

## Deuteranomaly

39.8046, 39.4738, 39.7037

## Tritanomaly

40.0972, 39.7956, 44.0960

# Monochromacy



## Original Color

39.1253, 39.6694, 39.3130

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

38.6186, 40.1646, 42.2763

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.1253, 39.6694, 39.3130 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(181, 166, 161)` looks like.

```
.text, #text, p{  
    color:rgb(181, 166, 161)  
}
```

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(181, 166, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 166, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 39.1253, 39.6694, 39.3130 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(181, 166, 161) }
```



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

```
.border{ border-color:rgb(181, 166, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 166, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 166, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 166, 161);  
box-shadow:4px 4px 4px 4px rgb(181, 166,  
161) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.1253, 39.6694, 39.3130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 166, 161) }
```

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

```
.background{ background-color: rgb(181,  
166, 161) }
```

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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