

# Converting Colors

XYZ(39.5849, 41.5214, 37.6003)

Have a look what the booklet for  
XYZ(39.5849, 41.5214, 37.6003)  
contains.

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# Color

**XYZ(39.5757, 41.6086,  
37.3979)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4AC9C
RGB	180, 172, 156
RGB Percent	71%, 67%, 61%
CMY	0.2941, 0.3255, 0.3882
CMYK	0.00, 0.04, 0.13, 0.29
HSL	40°, 14%, 66%
HSV	40°, 13%, 71%
XYZ	39.5757, 41.6086, 37.3979
YIQ	172.5680, 9.9040, -3.2800

# Conversions

## Conversions Part 2

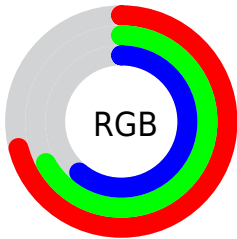
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	168, 180, 156
Decimal	11840668
CIE <sub>Lab</sub>	70.60, 0.09, 9.25
CIE <sub>LCh</sub>	71, 9.247, 89.455
Yxy	41.6086, 0.3337, 0.3509
Android (android.graphics.Color)	4290030748 (0xFFB4AC9C)
YUV	172.5680, -8.1680, 6.5179
Hunter-Lab	64.5047, -3.3679, 10.7788

# Details

The XYZ color **39.5757, 41.6086, 37.3979** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.2240, 36.9136, 48.4491**, and the grayscale version is **39.5382, 41.5973, 45.2995**.

A 20% lighter version of the original color is **73.6940, 77.4242, 72.0330**, and **18.0187, 18.9649, 16.0755** is the 20% darker color. If you saturate the color by 10%, you get **37.0476, 38.8133, 29.5843**, and if you desaturate by 10%, it is **42.3835, 44.6010, 46.4202**.

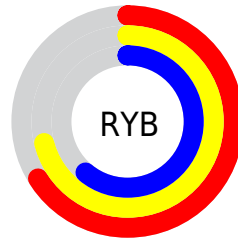
# Distribution



Red (71%)

Green (67%)

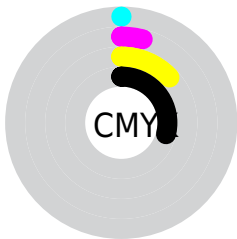
Blue (61%)



Red (66%)

Yellow (71%)

Blue (61%)

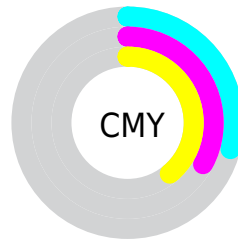


Cyan (0%)

Magenta (4%)

Yellow (13%)

Black (29%)



Cyan (29%)

Magenta (33%)


Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5757, 41.6086, 37.3979 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 39.5757, 41.6086, 37.3979 by changing the saturation by 10% instead.





 39.5757, 41.6086,  
37.3979


 39.5757, 41.6086,  
37.3979


335.4971,  
352.8579, 350.2504

 27.3906, 28.7949,  
25.2175


 73.8054, 77.6069,  
72.3775

 18.0049, 18.9258,  
16.0187


 96.5808, 101.5604,  
96.0138

 11.0532, 11.6166,  
9.3829

123.6169,  
129.9958, 124.3058

 6.1702, 6.4832,  
4.8915

155.2792,  
163.2978, 157.6720

 2.9905, 3.1411,  
2.1261

191.9331,  
201.8506, 196.5311

 1.1487, 1.2058,  
0.6313

233.9437,

 0.0653, 0.0664,

246.0386, 241.3015

0.0000

281.6766,  
296.2462, 292.4018

■ 0.0000, 0.0000,  
0.0000

■ 39.5757, 41.6086,  
37.3979

■ 39.5757, 41.6086,  
37.3979

■ 37.0476, 38.8133,  
29.5843

■ 42.3835, 44.6010,  
46.4202

■ 34.7852, 36.2042,  
22.9244

■ 45.4776, 47.7901,  
56.6976

■ 32.7784, 33.7776,  
17.3628

■ 48.8686, 51.1824,  
68.2774

■ 31.0149, 31.5276,  
12.8385

■ 52.5653, 54.7826,  
81.2037

■ 29.4814, 29.4475,  
9.2845

■ 56.5763, 58.5950,  
95.5184

■ 28.1629, 27.5302,  
6.6259

■ 59.4262, 62.0305,  
103.4487

■ 27.0423, 25.7679,  
4.7767

■ 60.9162, 65.0105,  
103.9454

■ 26.0995, 24.1510,  
3.6339

■ 62.4621, 68.1024,  
104.4607

■ 25.5420, 23.1422,  
3.1207

■ 64.0645, 71.3071,  
104.9948

# Harmonies

## Analogous

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



41.0604, 41.6086, 38.4349



39.5757, 41.6086, 37.3979



38.1199, 41.6086, 38.3632

# Triad

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



39.5757, 41.6086, 37.3979



37.0432, 41.6086, 49.5713



42.1335, 41.6086, 49.7188

# Complementary

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



39.5757, 41.6086, 37.3979



35.2240, 36.9136, 48.4491

# 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.



41.0107, 41.6086, 53.0367



39.5757, 41.6086, 37.3979



38.0727, 41.6086, 52.9478

# Square

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



39.5757, 41.6086, 37.3979



36.6808, 41.6086, 45.2246



39.5198, 41.6086, 54.2541



42.5602, 41.6086, 45.3848



# Rectangle

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



39.5757, 41.6086, 37.3979



37.3560, 41.6086, 40.0501



39.5198, 41.6086, 54.2541



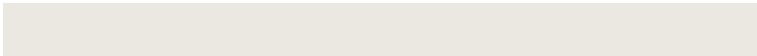
41.8235, 41.6086, 50.9999

# Sweetspot

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



39.5768, 41.6104, 37.3988



76.4577, 80.4593, 82.8892



37.4123, 36.1612, 40.1305



16.4400, 17.3005, 17.6377



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.



39.5768, 41.6104, 37.3988



70.3604, 73.9202, 63.4214



40.2271, 44.2735, 37.8785



8.9537, 9.4200, 8.9989



17.8902, 16.2790, 2.1992



0.6138, 0.6141, 0.0862



# Inverse Universe

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



35.2240, 36.9136, 48.4491



60.9212, 63.7357, 87.3859



34.6245, 34.5464, 48.0238



8.2656, 8.6775, 10.7456



6.9327, 4.6658, 30.6722



0.2731, 0.2568, 0.9834



# Previews

## White Background



This preview shows how the XYZ color 39.5757, 41.6086, 37.3979 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 39.5757, 41.6086, 37.3979 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

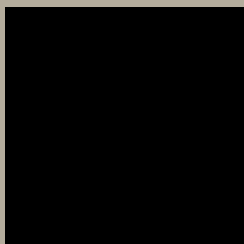
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

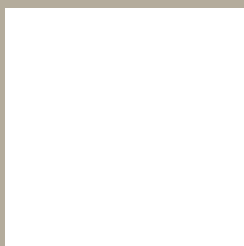
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.5757, 41.6086, 37.3979**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.5757, 41.6086, 37.3979.



This preview shows how white text looks on a background with the XYZ color 39.5757, 41.6086,



# 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

39.5757, 41.6086, 37.3979

### Protanopia

39.5757, 41.6086, 37.3979

### Deuteranopia

42.4102, 41.6739, 37.7069



## Tritanopia

41.8716, 41.4087, 49.5019

# Trichromacy



## Original Color

39.5757, 41.6086, 37.3979

## Protanomaly

39.5757, 41.6086, 37.3979

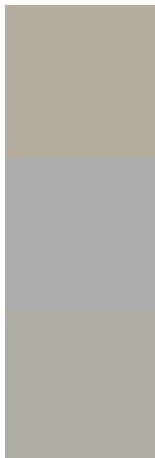
## Deuteranomaly

41.5090, 41.7574, 37.7705

## Tritanomaly

40.9258, 41.2996, 44.8443

# Monochromacy



## Original Color

39.5757, 41.6086, 37.3979

## Achromatopsia

39.7200, 41.7885, 45.5077

## Achromatomaly

39.8231, 41.9073, 42.5492

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.5757, 41.6086, 37.3979 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(180, 172, 156)` looks like.

```
.text, #text, p{  
    color:rgb(180, 172, 156)  
}
```

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(180, 172, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 172, 156) }
```

## Border

The CSS property to change the border of an element to XYZ 39.5757, 41.6086, 37.3979 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(180, 172, 156) }
```



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

```
.border{ border-color:rgb(180, 172, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 172, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 172, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 172, 156);  
box-shadow:4px 4px 4px 4px rgb(180, 172,  
156) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.5757, 41.6086, 37.3979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 172, 156) }
```

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

```
.background{ background-color: rgb(180,  
172, 156) }
```

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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