

# Converting Colors

XYZ(39.5867, 38.6584, 36.4033)

Have a look what the booklet for  
XYZ(39.5867, 38.6584, 36.4033)  
contains.

<b>XYZ(39.6475, 38.6751, 36.3857)</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(39.6475, 38.6751,  
36.3857)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDA19B
RGB	189, 161, 155
RGB Percent	74%, 63%, 61%
CMY	0.2588, 0.3686, 0.3922
CMYK	0.00, 0.15, 0.18, 0.26
HSL	11°, 20%, 67%
HSV	11°, 18%, 74%
XYZ	39.6475, 38.6751, 36.3857
YIQ	168.6880, 18.6140, 4.0700

# Conversions

## Conversions Part 2

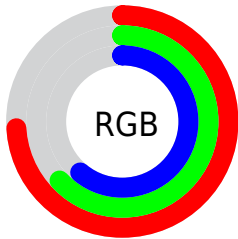
Format	Color
<a href="#">RYB</a>	<a href="#">189, 162, 155</a>
Decimal	<a href="#">12427675</a>
CIELab	<a href="#">68.52, 9.30, 6.93</a>
CIELCh	<a href="#">69, 11.597, 36.680</a>
Yxy	<a href="#">38.6751, 0.3456, 0.3372</a>
Android (android.graphics.Color)	<a href="#">4290617755</a> ( <a href="#">0xFFBDA19B</a> )
YUV	<a href="#">168.6880, -6.7482, 17.8136</a>
Hunter-Lab	<a href="#">62.1893, 4.9677, 8.8431</a>

# Details

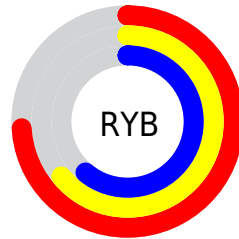
The XYZ color **39.6475, 38.6751, 36.3857** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **39.6360, 44.5085, 54.6463**, and the grayscale version is **37.5846, 39.5420, 43.0612**.

A 20% lighter version of the original color is **74.0705, 73.3080, 70.5675**, and **17.9590, 17.0877, 15.4484** is the 20% darker color. If you saturate the color by 10%, you get **35.6306, 32.9855, 27.8191**, and if you desaturate by 10%, it is **44.2535, 45.1447, 46.3753**.

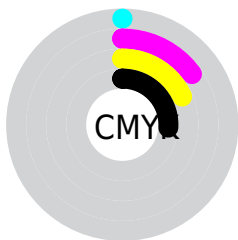
# Distribution



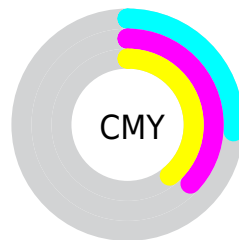
- Red (74%)
- Green (63%)
- Blue (61%)



- Red (74%)
- Yellow (64%)
- Blue (61%)



- Cyan (0%)
- Magenta (15%)
- Yellow (18%)
- Black (26%)




- Cyan (26%)
- Magenta (37%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6475, 38.6751, 36.3857 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 39.6475, 38.6751, 36.3857 by changing the saturation by 10% instead.





 39.6475, 38.6751,  
36.3857


 39.6475, 38.6751,  
36.3857


335.7955,  
340.5072, 345.7315

 27.4468, 26.5071,  
24.4402


 73.9142, 73.1417,  
70.8027

 18.0474, 17.2034,  
15.4453

 96.7109, 96.2091,  
94.1113

 11.0839, 10.3796,  
8.9824


123.7703,  
123.6784, 122.0446

 6.1910, 5.6514,  
4.6330

155.4578,  
155.9340, 155.0212

 3.0033, 2.6343,  
1.9787

192.1387,  
193.3602, 193.4597

 1.1555, 0.9439,  
0.5421

234.1784,

 0.0708, 0.0000,

236.3416, 237.7785

0.0000

281.9422,  
285.2624, 288.3963

■ 0.0000, 0.0000,  
0.0000

■ 39.6475, 38.6751,  
36.3857

■ 39.6475, 38.6751,  
36.3857

■ 35.6306, 32.9855,  
27.8191

■ 44.2535, 45.1447,  
46.3753

■ 32.1757, 28.0411,  
20.6083

■ 49.4681, 52.4167,  
57.8461

■ 29.2583, 23.8126,  
14.6841

■ 55.3134, 60.5194,  
70.8560

■ 26.8509, 20.2664,  
9.9705

■ 61.8099, 69.4779,  
85.4592

■ 24.9232, 17.3662,  
6.3831

■ 68.9769, 79.3164,  
101.7072

■ 23.4419, 15.0726,  
3.8270

■ 74.5992, 89.1645,  
107.8864

■ 22.3690, 13.3414,  
2.1911

■ 74.7964, 89.5589,  
107.9521

■ 21.6534, 12.1196,  
1.3072

■ 21.5407, 11.9274,  
1.1669

# Harmonies

## Analogous

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



40.3578, 38.6751, 40.9518



39.6475, 38.6751, 36.3857



38.1668, 38.6751, 33.5360

# Triad

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



39.6475, 38.6751, 36.3857



33.6290, 38.6751, 38.2546



37.1694, 38.6751, 52.9068

# Complementary

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



39.6475, 38.6751, 36.3857



39.6360, 44.5085, 54.6463

# 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.



35.3872, 38.6751, 52.0348



39.6475, 38.6751, 36.3857



33.3818, 38.6751, 43.2911

# Square

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



39.6475, 38.6751, 36.3857



34.7021, 38.6751, 34.5510



34.0153, 38.6751, 48.4066



38.8967, 38.6751, 50.6996



# Rectangle

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



39.6475, 38.6751, 36.3857



36.9632, 38.6751, 32.8496



34.0153, 38.6751, 48.4066



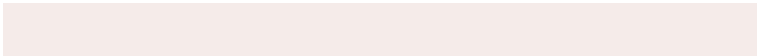
36.5566, 38.6751, 52.9666

# Sweetspot

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



39.6486, 38.6768, 36.3865



81.8602, 84.4918, 88.7557



41.2900, 37.6948, 50.0818



17.4667, 17.9782, 18.7861



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



39.6486, 38.6768, 36.3865



67.7438, 64.6547, 58.1670



42.7572, 44.8940, 37.4227



9.6628, 9.8015, 9.9592



14.5335, 8.1058, 0.7986



0.6117, 0.4024, 0.0454



# Inverse Universe

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



39.6360, 44.5085, 54.6463



67.7142, 77.2324, 97.5646



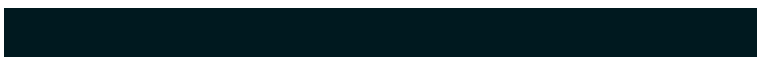
36.4002, 38.0369, 53.5677



9.6614, 10.5151, 12.1926



14.1872, 18.4860, 35.2133



0.5939, 0.8005, 1.3921



# Previews

## White Background



This preview shows how the XYZ color 39.6475, 38.6751, 36.3857 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 39.6475, 38.6751, 36.3857 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 39.6475, 38.6751, 36.3857**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.6475, 38.6751, 36.3857.



This preview shows how white text looks on a background with the XYZ color 39.6475, 38.6751,



# 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

39.6475, 38.6751, 36.3857

### Protanopia

37.0035, 38.8767, 37.9014

### Deuteranopia

39.4003, 38.5477, 36.3742



## Tritanopia

41.2347, 38.8129, 43.8464

# Trichromacy



## Original Color

39.6475, 38.6751, 36.3857

## Protanomaly

37.9010, 38.8096, 37.3917

## Deuteranomaly

39.4003, 38.5477, 36.3742

## Tritanomaly

40.5975, 38.8054, 40.9478

# Monochromacy



## Original Color

39.6475, 38.6751, 36.3857

## Achromatopsia

37.7116, 39.6755, 43.2066

## Achromatomaly

38.2416, 39.1829, 40.6695

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.6475, 38.6751, 36.3857 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(189, 161, 155)` looks like.

```
.text, #text, p{  
    color:rgb(189, 161, 155)  
}
```

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(189, 161, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 161, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 39.6475, 38.6751, 36.3857 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".

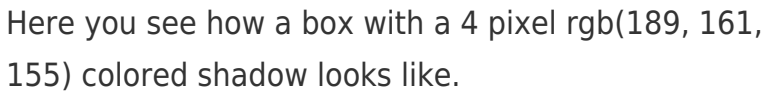
```
.border, #border, table{ border:4px solid rgb(189, 161, 155) }
```



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

```
.border{ border-color:rgb(189, 161, 155) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 161, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 161, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 161, 155);  
box-shadow:4px 4px 4px 4px rgb(189, 161,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.6475, 38.6751, 36.3857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 161, 155) }
```

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

```
.background{ background-color: rgb(189,  
161, 155) }
```

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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