

# Converting Colors

XYZ(39.6290, 40.5262, 37.8000)

Have a look what the booklet for  
XYZ(39.6290, 40.5262, 37.8000)  
contains.

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# Color

**XYZ(39.6169, 40.5069,  
37.6289)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B7A89D
RGB	183, 168, 157
RGB Percent	72%, 66%, 62%
CMY	0.2824, 0.3412, 0.3843
CMYK	0.00, 0.08, 0.14, 0.28
HSL	25°, 15%, 67%
HSV	25°, 14%, 72%
XYZ	39.6169, 40.5069, 37.6289
YIQ	171.2310, 12.4710, -0.2410

# Conversions

## Conversions Part 2

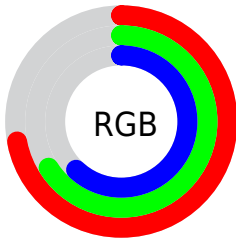
Format	Color
<a href="#">RYB</a>	<a href="#">183, 176, 157</a>
Decimal	<a href="#">12036253</a>
CIELab	<a href="#">69.83, 3.54, 7.63</a>
CIElCh	<a href="#">70, 8.411, 65.100</a>
Yxy	<a href="#">40.5069, 0.3364, 0.3440</a>
Android (android.graphics.Color)	<a href="#">4290226333 (0xFFB7A89D)</a>
YUV	<a href="#">171.2310, -7.0159, 10.3214</a>
Hunter-Lab	<a href="#">63.6450, -0.2685, 9.4975</a>

# Details

The XYZ color **39.6169, 40.5069, 37.6289** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.2042, 40.0912, 50.5776**, and the grayscale version is **38.8555, 40.8790, 44.5172**.

A 20% lighter version of the original color is **73.8679, 75.8795, 73.0403**, and **18.0528, 18.2772, 16.2120** is the 20% darker color. If you saturate the color by 10%, you get **36.3001, 36.1890, 29.3838**, and if you desaturate by 10%, it is **43.3281, 45.2384, 47.1611**.

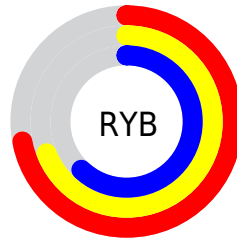
# Distribution



Red (72%)

Green (66%)

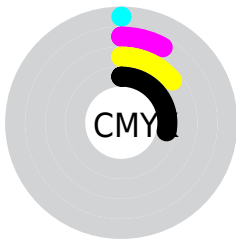
Blue (62%)



Red (72%)

Yellow (69%)

Blue (62%)

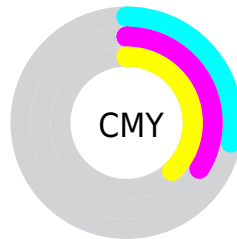


Cyan (0%)

Magenta (8%)

Yellow (14%)

Black (28%)



Cyan (28%)

Magenta (34%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6169, 40.5069, 37.6289 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 39.6169, 40.5069, 37.6289 by changing the saturation by 10% instead.





 39.6169, 40.5069,  
37.6289


 39.6169, 40.5069,  
37.6289


335.6684,  
348.2555, 351.2757

 27.4229, 27.9340,  
25.3952


 73.8678, 75.9348,  
72.7361

 18.0293, 18.2759,  
16.1500


 96.6555, 99.5585,  
96.4466

 11.0708, 11.1483,  
9.4749


123.7050,  
127.6347, 124.8199

 6.1821, 6.1666,  
4.9512

155.3817,  
160.5477, 158.2744

 2.9979, 2.9467,  
2.1604

192.0511,  
198.6819, 197.2287

 1.1526, 1.1040,  
0.6514

234.0784,

 0.0685, 0.0000,

242.4216, 242.1013

0.0000

281.8291,  
292.1514, 293.3108

0.0000, 0.0000,  
0.0000

39.6169, 40.5069,  
37.6289

39.6169, 40.5069,  
37.6289

36.3001, 36.1890,  
29.3838

43.3281, 45.2384,  
47.1611

33.3604, 32.2677,  
22.3672

47.4439, 50.3893,  
58.0301

30.7839, 28.7326,  
16.5202

51.9779, 55.9719,  
70.2864

28.5543, 25.5708,  
11.7774

56.9422, 61.9965,  
83.9768

26.6541, 22.7685,  
8.0674

62.3485, 68.4731,  
99.1461

■ 25.0641, 20.3109,  
5.3100

■ 66.2487, 74.6275,  
105.5206

■ 23.7623, 18.1820,  
3.4130

■ 69.2984, 80.7269,  
106.5372

■ 22.7232, 16.3636,  
2.2655

■ 72.5294, 87.1890,  
107.6142

■ 22.2140, 15.4381,  
1.8090

■ 73.3386, 88.8074,  
107.8839

# Harmonies

## Analogous

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



40.6894, 40.5069, 39.9203



39.6169, 40.5069, 37.6289



38.2676, 40.5069, 37.0300

# Triad

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



39.6169, 40.5069, 37.6289



35.9437, 40.5069, 44.7771



40.0305, 40.5069, 50.5490

# Complementary

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



39.6169, 40.5069, 37.6289



37.2042, 40.0912, 50.5776

# 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.



38.7345, 40.5069, 52.0285



39.6169, 40.5069, 37.6289



36.3918, 40.5069, 48.5727

# Square

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



39.6169, 40.5069, 37.6289



36.1674, 40.5069, 41.0137



37.4055, 40.5069, 51.2848



40.9321, 40.5069, 47.3481



# Rectangle

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



39.6169, 40.5069, 37.6289



37.3973, 40.5069, 37.6389



37.4055, 40.5069, 51.2848



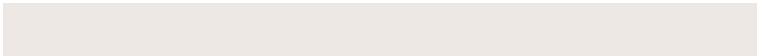
39.6254, 40.5069, 51.2725

# Sweetspot

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



39.6180, 40.5087, 37.6298



77.6984, 81.1456, 84.7220



39.0483, 37.1668, 44.2300



17.0450, 17.7757, 18.4098



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.



39.6180, 40.5087, 37.6298



69.0546, 70.0948, 62.6140



42.1047, 45.4820, 38.4587



9.3086, 9.6202, 9.4732



15.5617, 10.8998, 1.2837



0.6102, 0.5074, 0.0658



# Inverse Universe

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



37.2042, 40.0912, 50.5776



63.9069, 69.2038, 90.2251



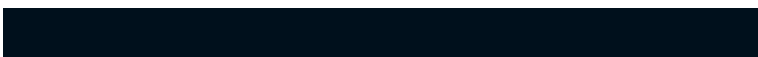
34.8792, 35.4412, 49.8026



8.9396, 9.5565, 11.4528



9.5952, 9.6501, 32.6100



0.3982, 0.4600, 1.1695



# Previews

## White Background



This preview shows how the XYZ color 39.6169, 40.5069, 37.6289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

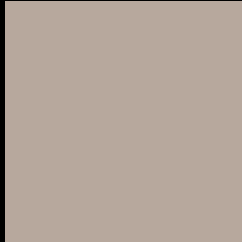
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.6169, 40.5069, 37.6289 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

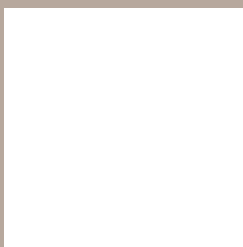
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.6169, 40.5069, 37.6289**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.6169, 40.5069, 37.6289.



This preview shows how white text looks on a background with the XYZ color 39.6169, 40.5069,



# 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

39.6169, 40.5069, 37.6289

### Protanopia

38.6777, 40.5652, 38.1391

### Deuteranopia

41.3649, 40.5854, 38.0013



## Tritanopia

41.7407, 40.5637, 47.7491

# Trichromacy



## Original Color

39.6169, 40.5069, 37.6289

## Protanomaly

38.9499, 40.4283, 38.0983

## Deuteranomaly

40.7940, 40.5599, 38.0265

## Tritanomaly

40.8995, 40.4890, 43.6897

# Monochromacy



## Original Color

39.6169, 40.5069, 37.6289

## Achromatopsia

38.7082, 40.7240, 44.3485

## Achromatomaly

38.9369, 40.6166, 41.8640

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.6169, 40.5069, 37.6289 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(183, 168, 157) looks like.

```
.text, #text, p{  
    color:rgb(183, 168, 157)  
}
```

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(183, 168, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 168, 157) }
```

## Border

The CSS property to change the border of an element to XYZ 39.6169, 40.5069, 37.6289 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(183, 168, 157) }
```



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

```
.border{ border-color:rgb(183, 168, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 168, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 168, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 168, 157);  
box-shadow:4px 4px 4px 4px rgb(183, 168,  
157) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.6169, 40.5069, 37.6289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 168, 157) }
```

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

```
.background{ background-color: rgb(183,  
168, 157) }
```

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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