

# Converting Colors

XYZ(39.4416, 39.3566, 36.5281)

Have a look what the booklet for  
XYZ(39.4416, 39.3566, 36.5281)  
contains.

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# Color

**XYZ(39.4416, 39.3566,  
36.5281)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BAA49B
RGB	186, 164, 155
RGB Percent	73%, 64%, 61%
CMY	0.2706, 0.3568, 0.3922
CMYK	0.00, 0.12, 0.17, 0.27
HSL	17°, 18%, 67%
HSV	17°, 17%, 73%
XYZ	39.4416, 39.3566, 36.5281
YIQ	169.5520, 16.0010, 1.8650

# Conversions

## Conversions Part 2

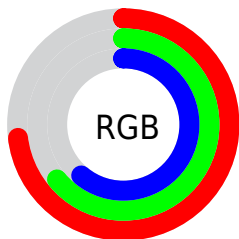
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">186, 168, 155</a>
Decimal	<a href="#">12231835</a>
CIELab	<a href="#">69.01, 6.53, 7.60</a>
CIELCh	<a href="#">69, 10.015, 49.341</a>
Yxy	<a href="#">39.3566, 0.3420, 0.3413</a>
Android (android.graphics.Color)	<a href="#">4290421915</a> ( <a href="#">0xFFBAA49B</a> )
YUV	<a href="#">169.5520, -7.1741, 14.4249</a>
Hunter-Lab	<a href="#">62.7348, 2.4376, 9.3921</a>

# Details

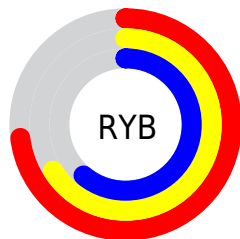
The XYZ color **39.4416, 39.3566, 36.5281** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.1024, 41.9571, 52.5452**, and the grayscale version is **38.0155, 39.9952, 43.5548**.

A 20% lighter version of the original color is **73.4581, 74.1437, 70.7611**, and **17.9657, 17.5744, 15.5420** is the 20% darker color. If you saturate the color by 10%, you get **35.7579, 34.2992, 28.1781**, and if you desaturate by 10%, it is **43.6132, 45.0040, 46.2289**.

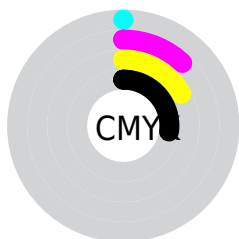
# Distribution



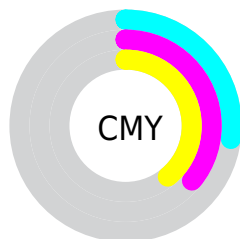
- Red (73%)
- Green (64%)
- Blue (61%)



- Red (73%)
- Yellow (66%)
- Blue (61%)



- Cyan (0%)
- Magenta (12%)
- Yellow (17%)
- Black (27%)




- Cyan (27%)
- Magenta (36%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4416, 39.3566, 36.5281 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 39.4416, 39.3566, 36.5281 by changing the saturation by 10% instead.





 39.4416, 39.3566,  
36.5281


 39.4416, 39.3566,  
36.5281


334.9393,  
343.4042, 346.3699

 27.2857, 27.0373,  
24.5494


 73.6022, 74.1828,  
71.0246

 17.9256, 17.6012,  
15.5257


 96.3376, 97.4584,  
94.3795

 10.9960, 10.6641,  
9.0385


123.3303,  
125.1549, 122.3635

 6.1314, 5.8414,  
4.6691

154.9455,  
157.6566, 155.3953

 2.9666, 2.7489,  
1.9991

191.5487,  
195.3480, 193.8932

 1.1361, 1.0021,  
0.5548

233.5051,

 0.0550, 0.0000,

238.6135, 238.2760

0.0000

281.1802,  
287.8374, 288.9620

■ 0.0000, 0.0000,  
0.0000

■ 39.4416, 39.3566,  
36.5281

■ 39.4416, 39.3566,  
36.5281

■ 35.7579, 34.2992,  
28.1781

■ 43.6132, 45.0040,  
46.2289

■ 32.5405, 29.8074,  
21.1159

■ 48.2870, 51.2546,  
57.3343

■ 29.7709, 25.8624,  
15.2776

■ 53.4804, 58.1275,  
69.8986

■ 27.4279, 22.4427,  
10.5926

■ 59.2093, 65.6396,  
83.9720

■ 25.4885, 19.5252,  
6.9829

■ 65.4887, 73.8071,  
99.6028

■ 23.9274, 17.0848,  
4.3608

■ 70.4081, 81.8755,  
106.7004

■ 22.7160, 15.0941,  
2.6247

■ 74.0599, 89.1792,  
107.9177

■ 21.8182, 13.5215,  
1.6380

■ 21.5701, 13.0795,  
1.3877

# Harmonies

## Analogous

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



40.3768, 39.3566, 40.0086



39.4416, 39.3566, 36.5281



37.9775, 39.3566, 34.7864

# Triad

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



39.4416, 39.3566, 36.5281



34.4731, 39.3566, 41.2483



38.4324, 39.3566, 51.6874

# Complementary

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



39.4416, 39.3566, 36.5281



38.1024, 41.9571, 52.5452

# 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.



36.8428, 39.3566, 52.0784



39.4416, 39.3566, 36.5281



34.5870, 39.3566, 45.8284

# Square

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



39.4416, 39.3566, 36.5281



35.1283, 39.3566, 37.3801



35.4441, 39.3566, 49.8681



39.7827, 39.3566, 48.8349



# Rectangle

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



39.4416, 39.3566, 36.5281



36.9116, 39.3566, 34.7559



35.4441, 39.3566, 49.8681



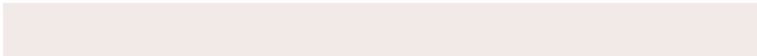
37.9073, 39.3566, 52.1183

# Sweetspot

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



39.4427, 39.3584, 36.5289



80.3309, 83.2920, 86.8073



39.9290, 37.0653, 46.7586



17.5639, 18.1726, 18.8185



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.



39.4427, 39.3584, 36.5289



68.9436, 67.8567, 60.3852



42.3435, 45.1601, 37.4959



9.2115, 9.4259, 9.4408



14.5685, 8.9134, 0.9526



0.5687, 0.4244, 0.0520



# Inverse Universe

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



38.1024, 41.9571, 52.5452



66.0539, 73.4537, 94.8980



35.2515, 36.2552, 51.5948



9.0404, 9.7580, 11.4864



11.5789, 13.6175, 33.2712

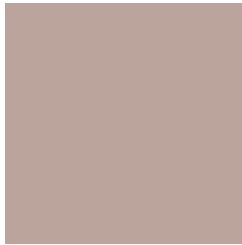


0.4587, 0.5810, 1.1897



# Previews

## White Background



This preview shows how the XYZ color 39.4416, 39.3566, 36.5281 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 39.4416, 39.3566, 36.5281 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

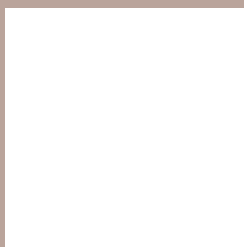
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.4416, 39.3566, 36.5281**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.4416, 39.3566, 36.5281.



This preview shows how white text looks on a background with the XYZ color 39.4416, 39.3566,



# 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

39.4416, 39.3566, 36.5281

### Protanopia

37.5440, 39.4383, 37.5319

### Deuteranopia

40.2488, 39.5081, 36.5148



## Tritanopia

41.1239, 39.2371, 45.4505

# Trichromacy



## Original Color

39.4416, 39.3566, 36.5281

## Protanomaly

38.1796, 39.5027, 37.0650

## Deuteranomaly

39.9999, 39.3798, 36.5032

## Tritanomaly

40.3889, 39.1955, 41.9960

# Monochromacy



## Original Color

39.4416, 39.3566, 36.5281

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

38.6987, 39.9520, 41.2692

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.4416, 39.3566, 36.5281 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(186, 164, 155)` looks like.

```
.text, #text, p{  
    color:rgb(186, 164, 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(186, 164, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 164, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 39.4416, 39.3566, 36.5281 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(186, 164, 155) }
```



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

```
.border{ border-color:rgb(186, 164, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 164, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 164, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 164, 155);  
box-shadow:4px 4px 4px 4px rgb(186, 164,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.4416, 39.3566, 36.5281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 164, 155) }
```

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

```
.background{ background-color: rgb(186,  
164, 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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