

# Converting Colors

XYZ(39.4410, 37.8940, 37.8129)

Have a look what the booklet for  
XYZ(39.4410, 37.8940, 37.8129)  
contains.

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# Color

**XYZ(39.6424, 38.1183,  
38.0691)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BD9F9F
RGB	189, 159, 159
RGB Percent	74%, 62%, 62%
CMY	0.2588, 0.3765, 0.3765
CMYK	0.00, 0.16, 0.16, 0.26
HSL	0°, 19%, 68%
HSV	0°, 16%, 74%
XYZ	39.6424, 38.1183, 38.0691
YIQ	167.9700, 17.8800, 6.3600

# Conversions

## Conversions Part 2

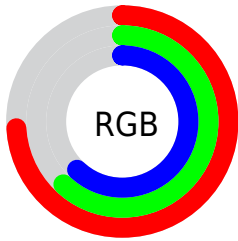
<b>Format</b>	<b>Color</b>
<b>RYB</b>	189, 159, 159
Decimal	12427167
CIELab	68.11, 11.04, 4.12
CIELCh	68, 11.784, 20.447
Yxy	38.1183, 0.3422, 0.3291
Android (android.graphics.Color)	4290617247 (0xFFBD9F9F)
YUV	167.9700, -4.4222, 18.4433
Hunter-Lab	61.7400, 6.5673, 6.6596

# Details

The XYZ color **39.6424, 38.1183, 38.0691** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **41.6806, 47.4391, 55.1043**, and the grayscale version is **37.2205, 39.1588, 42.6440**.

A 20% lighter version of the original color is **74.1902, 72.5410, 73.7099**, and **18.0610, 16.9587, 16.5088** is the 20% darker color. If you saturate the color by 10%, you get **35.1212, 31.5027, 29.0796**, and if you desaturate by 10%, it is **44.9134, 45.8313, 48.5467**.

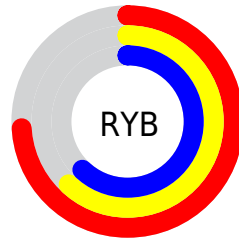
# Distribution



Red (74%)

Green (62%)

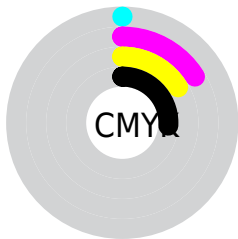
Blue (62%)



Red (74%)

Yellow (62%)

Blue (62%)

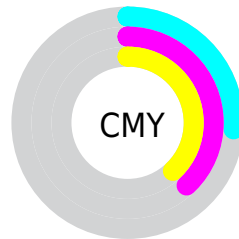


Cyan (0%)

Magenta (16%)

Yellow (16%)

Black (26%)



Cyan (26%)

Magenta (38%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6424, 38.1183, 38.0691 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 39.6424, 38.1183, 38.0691 by changing the saturation by 10% instead.





 39.6424, 38.1183,  
38.0691


 39.6424, 38.1183,  
38.0691


335.7744,  
338.1272, 353.2234

 27.4428, 26.0745,  
25.7341


 73.9065, 72.2894,  
73.4186

 18.0444, 16.8794,  
16.4008


 96.7017, 95.1856,  
97.2702

 11.0817, 10.1485,  
9.6508


123.7594,  
122.4679, 125.7978

 6.1895, 5.4976,  
5.0655

155.4451,  
154.5209, 159.4198

 3.0024, 2.5420,  
2.2263

192.1241,  
191.7290, 198.5548

 1.1550, 0.8976,  
0.6895

234.1617,

 0.0704, 0.0000,

234.4764, 243.6214

0.0000

281.9234,  
283.1477, 295.0380

■ 0.0000, 0.0000,  
0.0000

■ 39.6424, 38.1183,  
38.0691

■ 39.6424, 38.1183,  
38.0691

■ 35.1212, 31.5027,  
29.0796

■ 44.9134, 45.8313,  
48.5467

■ 31.3127, 25.9299,  
21.5085

■ 50.9626, 54.6829,  
60.5729

■ 28.1816, 21.3482,  
15.2841

■ 57.8211, 64.7186,  
74.2080

■ 25.6882, 17.6996,  
10.3275

■ 65.5171, 75.9797,  
89.5081

■ 23.7887, 14.9200,  
6.5516

■ 74.0775, 88.5056,  
106.5269

■ 22.4338, 12.9372,  
3.8585

■ 74.7964, 89.5589,  
107.9521

■ 21.5663, 11.6677,  
2.1343

■ 21.1140, 11.0058,  
1.2355

■ 20.9866, 10.8194,  
0.9822

# Harmonies

## Analogous

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



39.8270, 38.1183, 43.2062



39.6424, 38.1183, 38.0691



38.5269, 38.1183, 34.1817

# Triad

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



39.6424, 38.1183, 38.0691



33.5740, 38.1183, 35.3891



35.6472, 38.1183, 52.3028

# Complementary

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



39.6424, 38.1183, 38.0691



41.6806, 47.4391, 55.1043

# 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.



34.0269, 38.1183, 49.8046



39.6424, 38.1183, 38.0691



32.8569, 38.1183, 39.8478

# Square

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



39.6424, 38.1183, 38.0691



35.0101, 38.1183, 32.7275



33.0198, 38.1183, 45.1403



37.4786, 38.1183, 51.7248



# Rectangle

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



39.6424, 38.1183, 38.0691



37.4256, 38.1183, 32.6814



33.0198, 38.1183, 45.1403



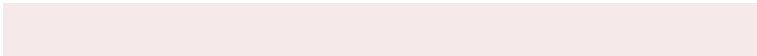
35.0608, 38.1183, 51.7874

# Sweetspot

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



39.6435, 38.1200, 38.0699



81.2465, 83.2644, 88.5511



42.5701, 39.2897, 53.4844



17.3178, 17.6804, 18.7365



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.



39.6435, 38.1200, 38.0699



68.0740, 63.9895, 62.3637



42.3807, 43.5946, 38.9823



9.5303, 9.5366, 9.9151



14.1204, 7.2796, 0.6609



0.5531, 0.2852, 0.0259

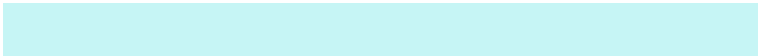


# Inverse Universe

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



41.6806, 47.4391, 55.1043



72.4059, 83.8059, 98.5862



38.6199, 41.3176, 54.0840



9.8085, 10.8094, 12.2417



18.4210, 26.9537, 36.6246

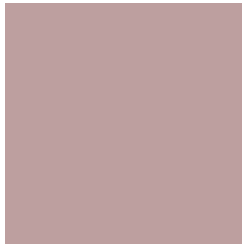


0.7216, 1.0559, 1.4346



# Previews

## White Background



This preview shows how the XYZ color 39.6424, 38.1183, 38.0691 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 39.6424, 38.1183, 38.0691 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

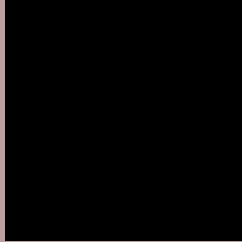
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.6424, 38.1183, 38.0691**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.6424, 38.1183, 38.0691.



This preview shows how white text looks on a background with the XYZ color 39.6424, 38.1183,

38.0691.

# 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

39.6424, 38.1183, 38.0691

### Protanopia

36.6436, 38.1007, 40.0732

### Deuteranopia

39.0105, 38.3072, 38.1388



## Tritanopia

40.5479, 37.9634, 43.2208

# Trichromacy



## Original Color

39.6424, 38.1183, 38.0691

## Protanomaly

37.7502, 38.1501, 39.5565

## Deuteranomaly

39.0785, 38.0839, 38.0922

## Tritanomaly

40.3450, 38.1540, 41.3144

# Monochromacy



## Original Color

39.6424, 38.1183, 38.0691

## Achromatopsia

37.2190, 39.1572, 42.6422

## Achromatomaly

38.1512, 38.8570, 41.0867

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.6424, 38.1183, 38.0691 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, 159, 159)` looks like.

```
.text, #text, p{  
    color:rgb(189, 159, 159)  
}
```

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, 159, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 159, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 39.6424, 38.1183, 38.0691 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, 159, 159) }
```



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

```
.border{ border-color:rgb(189, 159, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 159, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 159, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 159, 159);  
box-shadow:4px 4px 4px 4px rgb(189, 159,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.6424, 38.1183, 38.0691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 159, 159) }
```

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

```
.background{ background-color: rgb(189,  
159, 159) }
```

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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