

# Converting Colors

XYZ(39.9419, 36.2238, 40.9631)

Have a look what the booklet for  
XYZ(39.9419, 36.2238, 40.9631)  
contains.

<b>XYZ(39.9419, 36.2238, 40.9631)</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(39.9419, 36.2238,  
40.9631)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C197A6
RGB	193, 151, 166
RGB Percent	76%, 59%, 65%
CMY	0.2431, 0.4078, 0.3490
CMYK	0.00, 0.22, 0.14, 0.24
HSL	339°, 25%, 67%
HSV	339°, 22%, 76%
XYZ	39.9419, 36.2238, 40.9631
YIQ	165.2680, 20.2170, 13.5690

# Conversions

## Conversions Part 2

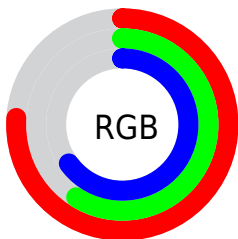
Format	Color
R <sub>Y</sub> B	193, 151, 166
Decimal	12687270
CIE Lab	66.69, 18.09, -1.81
CIE LCh	67, 18.178, 354.285
Yxy	36.2238, 0.3410, 0.3093
Android (android.graphics.Color)	4290877350 (0xFFC197A6)
YUV	165.2680, 0.3609, 24.3210
Hunter-Lab	60.1862, 13.1336, 1.7772

# Details

The XYZ color **39.9419, 36.2238, 40.9631** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **39.8698, 47.9347, 49.2728**, and the grayscale version is **35.8851, 37.7540, 41.1141**.

A 20% lighter version of the original color is **74.3068, 69.2071, 77.8485**, and **18.2419, 15.8182, 18.0114** is the 20% darker color. If you saturate the color by 10%, you get **36.0027, 30.0796, 34.3027**, and if you desaturate by 10%, it is **44.5015, 43.4322, 48.3730**.

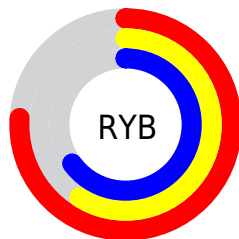
# Distribution



Red (76%)

Green (59%)

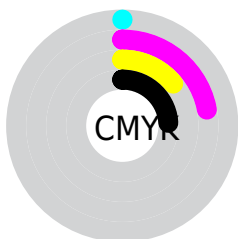
Blue (65%)



Red (76%)

Yellow (59%)

Blue (65%)

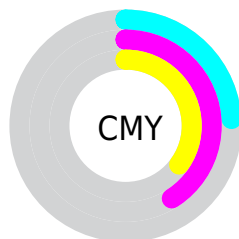


Cyan (0%)

Magenta (22%)

Yellow (14%)

Black (24%)



Cyan (24%)

Magenta (41%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9419, 36.2238, 40.9631 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 39.9419, 36.2238, 40.9631 by changing the saturation by 10% instead.




 39.9419, 36.2238,  
40.9631


 39.9419, 36.2238,  
40.9631

337.0172,  
329.9377, 365.8384

 27.6773, 24.6071,  
27.9708


 74.3599, 69.3774,  
77.8809

 18.2217, 15.7846,  
18.0648


 97.2440, 91.6830,  
102.6435

 11.2099, 9.3718,  
10.8266


124.3987,  
118.3204, 132.1666

 6.2766, 4.9845,  
5.8376

156.1892,  
149.6740, 166.8687

 3.0562, 2.2382,  
2.6794

192.9810,  
186.1281, 207.1684

 1.1836, 0.7407,  
0.9330

235.1393,

 0.0933, 0.0000,

228.0671, 253.4843

0.0000

283.0296,  
275.8755, 306.2348

■ 0.0000, 0.0000,  
0.0000

■ 39.9419, 36.2238,  
40.9631

■ 39.9419, 36.2238,  
40.9631

■ 36.0027, 30.0796,  
34.3027

■ 44.5015, 43.4322,  
48.3730

■ 32.6529, 24.9439,  
28.3650

■ 49.7044, 51.7470,  
56.5534

■ 29.8637, 20.7636,  
23.1248

■ 55.5761, 61.2143,  
65.5274

■ 27.6021, 17.4786,  
18.5544

■ 62.1397, 71.8761,  
75.3162

■ 25.8320, 15.0217,  
14.6240

■ 69.4174, 83.7721,  
85.9404

■ 24.5119, 13.3166,  
11.3012

■ 73.5478, 89.1757,  
96.1255

■ 23.5930, 12.2719,  
8.5498

■ 75.4597, 89.9404,  
106.1935

■ 23.0642, 11.7663,  
6.6725

■ 75.8026, 90.0776,  
107.9992

# Harmonies

## Analogous

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



38.8864, 36.2238, 48.9204



39.9419, 36.2238, 40.9631



39.4581, 36.2238, 33.5564

# Triad

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



39.9419, 36.2238, 40.9631



32.3082, 36.2238, 27.2260



31.4451, 36.2238, 53.0030

# Complementary

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



39.9419, 36.2238, 40.9631



39.8698, 47.9347, 49.2728

# 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.



29.8476, 36.2238, 45.9775



39.9419, 36.2238, 40.9631



30.3271, 36.2238, 31.2737

# Square

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



39.9419, 36.2238, 40.9631



34.9569, 36.2238, 26.2536



29.4494, 36.2238, 37.9582



33.9077, 36.2238, 56.4387



# Rectangle

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



39.9419, 36.2238, 40.9631



38.3402, 36.2238, 29.8174



29.4494, 36.2238, 37.9582



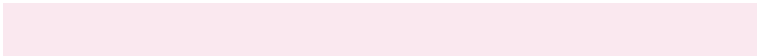
30.7945, 36.2238, 50.9414

# Sweetspot

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



39.9429, 36.2254, 40.9639



83.8887, 84.4597, 93.2742



38.9620, 35.4029, 55.2326



17.8769, 17.9277, 19.8213



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



39.9429, 36.2254, 40.9639



68.1229, 59.5328, 67.6574



39.5689, 37.5522, 34.4428



10.2185, 10.1360, 11.2410



15.3752, 7.8398, 4.6219



0.6974, 0.3520, 0.3738



# Inverse Universe

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



39.9429, 36.2254, 40.9639



68.1229, 59.5328, 67.6574



40.2447, 46.1413, 57.2377



10.2185, 10.1360, 11.2410



15.3752, 7.8398, 4.6219

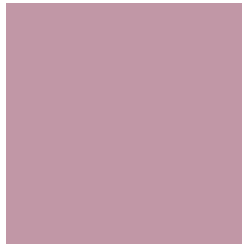


0.6974, 0.3520, 0.3738



# Previews

## White Background



This preview shows how the XYZ color 39.9419, 36.2238, 40.9631 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

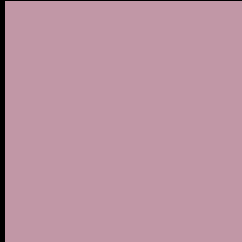
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.9419, 36.2238, 40.9631 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

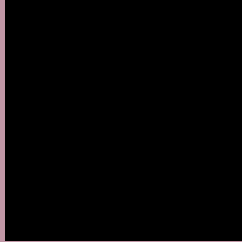
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.9419, 36.2238, 40.9631**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.9419, 36.2238, 40.9631.



This preview shows how white text looks on a background with the XYZ color 39.9419, 36.2238,



# 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

39.9419, 36.2238, 40.9631

### Protanopia

35.2955, 36.2548, 44.1673

### Deuteranopia

36.9800, 36.1777, 40.6312



## Tritanopia

39.6698, 36.1150, 39.5304

# Trichromacy



## Original Color

39.9419, 36.2238, 40.9631

## Protanomaly

36.7682, 36.0149, 43.0439

## Deuteranomaly

38.0413, 36.2266, 40.5847

## Tritanomaly

39.7598, 36.1510, 40.0042

# Monochromacy



## Original Color

39.9419, 36.2238, 40.9631

## Achromatopsia

35.7637, 37.6262, 40.9749

## Achromatomaly

37.0415, 36.9722, 40.7814

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.9419, 36.2238, 40.9631 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(193, 151, 166)` looks like.

```
.text, #text, p{  
    color:rgb(193, 151, 166)  
}
```

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(193, 151, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 151, 166) }
```

## Border

The CSS property to change the border of an element to XYZ 39.9419, 36.2238, 40.9631 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(193, 151, 166) }
```



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

```
.border{ border-color:rgb(193, 151, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 151, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 151, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 151, 166);  
box-shadow:4px 4px 4px 4px rgb(193, 151,  
166) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.9419, 36.2238, 40.9631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 151, 166) }
```

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

```
.background{ background-color: rgb(193,  
151, 166) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor