

# Converting Colors

XYZ(39.6766, 35.0076, 36.6844)

Have a look what the booklet for  
XYZ(39.6766, 35.0076, 36.6844)  
contains.

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# Color

**XYZ(39.6534, 34.9979,  
36.5636)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6929D
RGB	198, 146, 157
RGB Percent	78%, 57%, 62%
CMY	0.2235, 0.4274, 0.3843
CMYK	0.00, 0.26, 0.21, 0.22
HSL	347°, 31%, 67%
HSV	347°, 26%, 78%
XYZ	39.6534, 34.9979, 36.5636
YIQ	162.8020, 27.4610, 14.4450

# Conversions

## Conversions Part 2

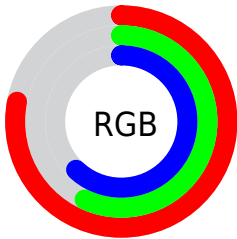
Format	Color
R <sub>Y</sub> B	198, 146, 157
Decimal	13013661
CIE Lab	65.75, 21.25, 1.93
CIE LCh	66, 21.338, 5.186
Yxy	34.9979, 0.3565, 0.3147
Android (android.graphics.Color)	4291203741 (0xFFC6929D)
YUV	162.8020, -2.8604, 30.8686
Hunter-Lab	59.1590, 16.1176, 4.7668

# Details

The XYZ color **39.6534, 34.9979, 36.5636** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **41.0193, 50.0879, 54.5222**, and the grayscale version is **34.7242, 36.5326, 39.7840**.

A 20% lighter version of the original color is **73.6521, 67.2717, 70.7309**, and **18.0214, 15.0647, 15.5936** is the 20% darker color. If you saturate the color by 10%, you get **35.6126, 28.9147, 29.0552**, and if you desaturate by 10%, it is **44.3951, 42.2097, 45.1469**.

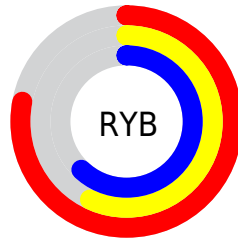
# Distribution



Red (78%)

Green (57%)

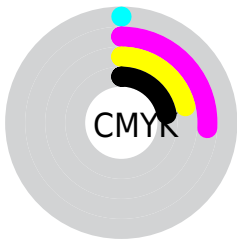
Blue (62%)



Red (78%)

Yellow (57%)

Blue (62%)

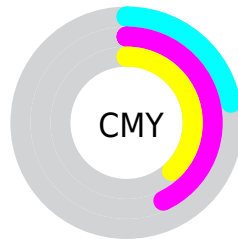


Cyan (0%)

Magenta (26%)

Yellow (21%)

Black (22%)



Cyan (22%)

Magenta (43%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6534, 34.9979, 36.5636 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 39.6534, 34.9979, 36.5636 by changing the saturation by 10% instead.





 39.6534, 34.9979,  
36.5636


 39.6534, 34.9979,  
36.5636


335.8201,  
324.5591, 346.5289

 27.4514, 23.6613,  
24.5767


 73.9231, 67.4825,  
71.0799

 18.0509, 15.0825,  
15.5458


 96.7216, 89.3993,  
94.4463

 11.0864, 8.8773,  
9.0525


123.7829,  
115.6115, 122.4430

 6.1927, 4.6613,  
4.6781

155.4725,  
146.5037, 155.4885

 3.0044, 2.0499,  
2.0043

192.1556,  
182.4601, 194.0012

 1.1561, 0.6362,  
0.5579

234.1977,

 0.0713, 0.0000,

223.8652, 238.3999

0.0000

281.9641,  
271.1034, 289.1029

■ 0.0000, 0.0000,  
0.0000

■ 39.6534, 34.9979,  
36.5636

■ 39.6534, 34.9979,  
36.5636

■ 35.6126, 28.9147,  
29.0552

■ 44.3951, 42.2097,  
45.1469

■ 32.2361, 23.8981,  
22.5766

■ 49.8662, 50.5981,  
54.8433

■ 29.4885, 19.8878,  
17.0829

■ 56.0970, 60.2145,  
65.6916

■ 27.3296, 16.8150,  
12.5248

■ 63.1153, 71.1056,  
77.7285

■ 25.7145, 14.6028,  
8.8485

■ 70.9476, 83.3157,  
90.9885

■ 24.5918, 13.1616,  
5.9946

■ 76.4106, 90.4705,  
104.4357

■ 23.8968, 12.3776,  
3.8948

■ 77.0988, 90.7458,  
108.0599

■ 23.7045, 12.1721,  
3.2787

# Harmonies

## Analogous

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



39.0569, 34.9979, 45.8417



39.6534, 34.9979, 36.5636



38.4521, 34.9979, 28.9782

# Triad

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



39.6534, 34.9979, 36.5636



29.9022, 34.9979, 25.6394



30.7921, 34.9979, 56.0744

# Complementary

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



39.6534, 34.9979, 36.5636



41.0193, 50.0879, 54.5222

# 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.



28.5657, 34.9979, 48.9755



39.6534, 34.9979, 36.5636



28.0750, 34.9979, 31.2949

# Square

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



39.6534, 34.9979, 36.5636



32.7212, 34.9979, 23.3381



27.6015, 34.9979, 39.6927



33.8137, 34.9979, 58.0733



# Rectangle

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



39.6534, 34.9979, 36.5636



36.8354, 34.9979, 25.5899



27.6015, 34.9979, 39.6927



29.9321, 34.9979, 54.1561

# Sweetspot

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



39.6544, 34.9995, 36.5643



86.4012, 86.6748, 93.7710



40.9014, 35.1679, 58.0587



18.1665, 18.0499, 19.4941



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



39.6544, 34.9995, 36.5643



65.6266, 55.0473, 56.2587



41.1765, 39.4792, 32.6462



10.7241, 10.6730, 11.5305



15.4414, 7.9261, 2.2685



0.7585, 0.3862, 0.2514



# Inverse Universe

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



39.6544, 34.9995, 36.5643



65.6266, 55.0473, 56.2587



39.0370, 44.1665, 59.8939



10.7241, 10.6730, 11.5305



15.4414, 7.9261, 2.2685

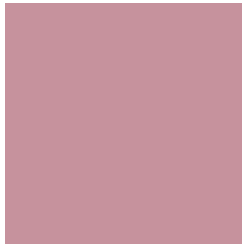


0.7585, 0.3862, 0.2514



# Previews

## White Background



This preview shows how the XYZ color 39.6534, 34.9979, 36.5636 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

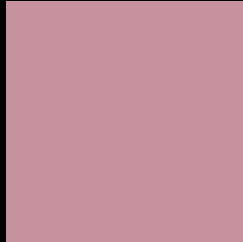
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.6534, 34.9979, 36.5636 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

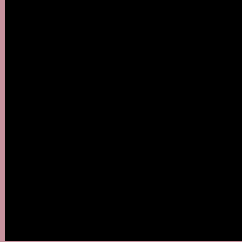
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.6534, 34.9979, 36.5636**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.6534, 34.9979, 36.5636.



This preview shows how white text looks on a background with the XYZ color 39.6534, 34.9979,



# 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

39.6534, 34.9979, 36.5636

### Protanopia

33.8876, 35.0900, 40.5843

### Deuteranopia

35.7692, 35.1564, 35.9110



## Tritanopia

39.6534, 34.9979, 36.5636

# Trichromacy



## Original Color

39.6534, 34.9979, 36.5636

## Protanomaly

35.5327, 34.7185, 39.0110

## Deuteranomaly

37.2366, 35.1711, 36.2786

## Tritanomaly

39.6534, 34.9979, 36.5636

# Monochromacy



## Original Color

39.6534, 34.9979, 36.5636

## Achromatopsia

34.8123, 36.6253, 39.8849

## Achromatomaly

36.3945, 35.9173, 38.7327

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.6534, 34.9979, 36.5636 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(198, 146, 157)` looks like.

```
.text, #text, p{  
    color:rgb(198, 146, 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(198, 146, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 146, 157) }
```

## Border

The CSS property to change the border of an element to XYZ 39.6534, 34.9979, 36.5636 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(198, 146, 157) }
```



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

```
.border{ border-color:rgb(198, 146, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 146, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 146, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 146, 157);  
box-shadow:4px 4px 4px 4px rgb(198, 146,  
157) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.6534, 34.9979, 36.5636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 146, 157) }
```

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

```
.background{ background-color: rgb(198,  
146, 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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