

# Converting Colors

XYZ(35.9881, 35.6441, 36.9888)

Have a look what the booklet for  
XYZ(35.9881, 35.6441, 36.9888)  
contains.

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# Color

**XYZ(36.0473, 35.7784,  
36.9043)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B09D9D
RGB	176, 157, 157
RGB Percent	69%, 62%, 62%
CMY	0.3098, 0.3843, 0.3843
CMYK	0.00, 0.11, 0.11, 0.31
HSL	0°, 11%, 65%
HSV	0°, 11%, 69%
XYZ	36.0473, 35.7784, 36.9043
YIQ	162.6810, 11.3240, 4.0280

# Conversions

## Conversions Part 2

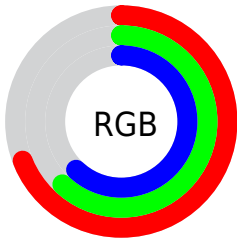
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 157, 157
Decimal	11574685
CIELab	66.35, 6.96, 2.54
CIELCh	66, 7.412, 20.028
Yxy	35.7784, 0.3315, 0.3291
Android (android.graphics.Color)	4289764765 (0xFFB09D9D)
YUV	162.6810, -2.8007, 11.6808
Hunter-Lab	59.8150, 2.8960, 5.2902

# Details

The XYZ color **36.0473, 35.7784, 36.9043** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.2663, 41.3526, 47.0924**, and the grayscale version is **34.6723, 36.4779, 39.7245**.

A 20% lighter version of the original color is **68.7059, 68.9962, 71.9838**, and **15.9239, 15.5596, 15.7997** is the 20% darker color. If you saturate the color by 10%, you get **31.8860, 29.6894, 28.6301**, and if you desaturate by 10%, it is **40.8559, 42.8147, 46.4631**.

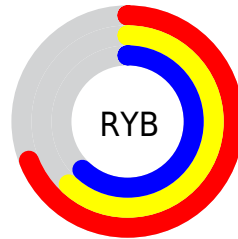
# Distribution



Red (69%)

Green (62%)

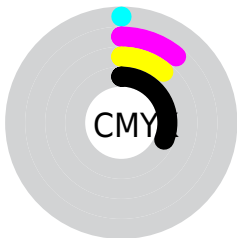
Blue (62%)



Red (69%)

Yellow (62%)

Blue (62%)

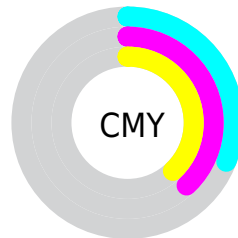


Cyan (0%)

Magenta (11%)

Yellow (11%)

Black (31%)



Cyan (31%)

Magenta (38%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0473, 35.7784, 36.9043 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 36.0473, 35.7784, 36.9043 by changing the saturation by 10% instead.





 36.0473, 35.7784,  
36.9043


 36.0473, 35.7784,  
36.9043


320.5949,  
327.9909, 348.0522

 24.6410, 24.2631,  
24.8382


 68.4285, 68.6899,  
71.6103

 15.9371, 15.5289,  
15.7386


 90.1340, 90.8549,  
95.0872

 9.5702, 9.1914,  
9.1870


116.0034,  
117.3385, 123.2048

 5.1750, 4.8662,  
4.7649

146.4020,  
148.5253, 156.3817

 2.3861, 2.1690,  
2.0537

181.6950,  
184.7995, 195.0363

 0.8382, 0.7030,  
0.5880

222.2480,

 0.0000, 0.0000,

226.5456, 239.5872

0.0000

268.4261,  
274.1479, 290.4530

■ 36.0473, 35.7784,  
36.9043

■ 36.0473, 35.7784,  
36.9043

■ 31.8860, 29.6894,  
28.6301

■ 40.8559, 42.8147,  
46.4631

■ 28.3415, 24.5029,  
21.5835

■ 46.3347, 50.8314,  
57.3555

■ 25.3854, 20.1774,  
15.7069

■ 52.5090, 59.8658,  
69.6308

■ 22.9859, 16.6662,  
10.9369

■ 59.4019, 69.9517,  
83.3351

■ 21.1082, 13.9185,  
7.2043

■ 67.0357, 81.1215,  
98.5123

■ 19.7134, 11.8775,  
4.4320

■ 71.7147, 87.9702,  
107.8079

■ 18.7576, 10.4786,  
2.5323

■ 18.1884, 9.6456,  
1.4012

■ 17.9050, 9.2309,  
0.8380

# Harmonies

## Analogous

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



36.1479, 35.7784, 40.0227



36.0473, 35.7784, 36.9043



35.3933, 35.7784, 34.4656

# Triad

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



36.0473, 35.7784, 36.9043



32.3997, 35.7784, 35.1671



33.6387, 35.7784, 45.2797

# Complementary

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



36.0473, 35.7784, 36.9043



37.2663, 41.3526, 47.0924

# 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.



32.6560, 35.7784, 43.8217



36.0473, 35.7784, 36.9043



31.9510, 35.7784, 37.9096

# Square

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



36.0473, 35.7784, 36.9043



33.2819, 35.7784, 33.5010



32.0438, 35.7784, 41.0836



34.7411, 35.7784, 44.9744



# Rectangle

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



36.0473, 35.7784, 36.9043



34.7391, 35.7784, 33.4992



32.0438, 35.7784, 41.0836



33.2838, 35.7784, 44.9766

# Sweetspot

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



36.0483, 35.7800, 36.9051



72.0255, 74.6178, 80.1467



37.7984, 36.4791, 46.1237



15.4539, 15.9438, 17.0605



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

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



36.0483, 35.7800, 36.9051



63.4370, 62.0508, 63.0720



37.7181, 39.1195, 37.4616



8.4965, 8.5055, 8.8464



13.1372, 6.7729, 0.6149



0.4134, 0.2132, 0.0194



# Inverse Universe

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



37.2663, 41.3526, 47.0924



66.0993, 74.2313, 85.3396



35.4689, 37.7578, 46.4933



8.7426, 9.6313, 10.9046



17.1367, 25.0738, 34.0735

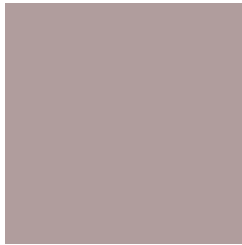


0.5392, 0.7890, 1.0721



# Previews

## White Background



This preview shows how the XYZ color 36.0473, 35.7784, 36.9043 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

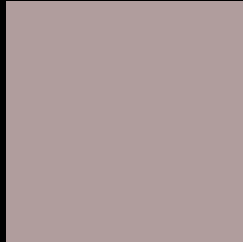
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.0473, 35.7784, 36.9043 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

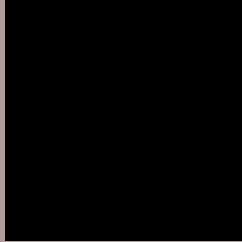
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 36.0473, 35.7784, 36.9043**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.0473, 35.7784, 36.9043.



This preview shows how white text looks on a background with the XYZ color 36.0473, 35.7784,



# 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

36.0473, 35.7784, 36.9043

### Protanopia

34.5199, 35.9923, 37.9287

### Deuteranopia

36.5647, 35.7950, 36.8802



## Tritanopia

36.9207, 35.6170, 41.9746

# Trichromacy



## Original Color

36.0473, 35.7784, 36.9043

## Protanomaly

35.1045, 36.0452, 37.4550

## Deuteranomaly

36.3344, 35.6762, 36.8695

## Tritanomaly

36.7208, 35.8044, 40.0975

# Monochromacy



## Original Color

36.0473, 35.7784, 36.9043

## Achromatopsia

34.8123, 36.6253, 39.8849

## Achromatomaly

35.3263, 36.3878, 38.8799

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.0473, 35.7784, 36.9043 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(176, 157, 157)` looks like.

```
.text, #text, p{  
    color:rgb(176, 157, 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(176, 157, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 157, 157) }
```

## Border

The CSS property to change the border of an element to XYZ 36.0473, 35.7784, 36.9043 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(176, 157, 157) }
```



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

```
.border{ border-color:rgb(176, 157, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 157, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 157, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 157, 157);  
box-shadow:4px 4px 4px 4px rgb(176, 157,  
157) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.0473, 35.7784, 36.9043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 157, 157) }
```

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

```
.background{ background-color: rgb(176,  
157, 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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