

# Converting Colors

XYZ(35.7441, 36.1368, 37.7830)

Have a look what the booklet for  
XYZ(35.7441, 36.1368, 37.7830)  
contains.

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# **Color**

**XYZ(35.6694, 36.0701,  
37.8831)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AC9F9F
RGB	172, 159, 159
RGB Percent	67%, 62%, 62%
CMY	0.3255, 0.3765, 0.3765
CMYK	0.00, 0.08, 0.08, 0.33
HSL	0°, 7%, 65%
HSV	0°, 8%, 67%
XYZ	35.6694, 36.0701, 37.8831
YIQ	162.8870, 7.7480, 2.7560

# Conversions

## Conversions Part 2

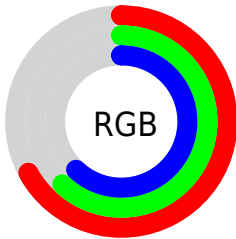
<b>Format</b>	<b>Color</b>
<b>RYB</b>	172, 159, 159
Decimal	11313055
CIELab	66.57, 4.73, 1.70
CIElCh	67, 5.029, 19.771
Yxy	36.0701, 0.3254, 0.3290
Android (android.graphics.Color)	4289503135 (0xFFAC9F9F)
YUV	162.8870, -1.9163, 7.9921
Hunter-Lab	60.0584, 0.9111, 4.6424

# Details

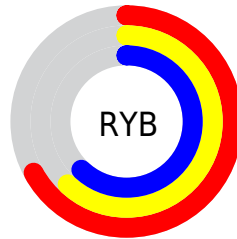
The XYZ color **35.6694, 36.0701, 37.8831** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.4969, 39.8539, 44.7992**, and the grayscale version is **34.7665, 36.5770, 39.8324**.

A 20% lighter version of the original color is **67.8627, 69.2791, 73.4138**, and **15.8151, 15.8009, 16.4037** is the 20% darker color. If you saturate the color by 10%, you get **31.5255, 30.0067, 29.6432**, and if you desaturate by 10%, it is **40.4345, 43.0426, 47.3557**.

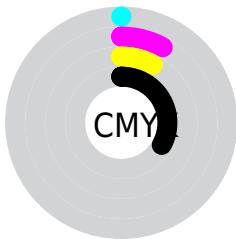
# Distribution



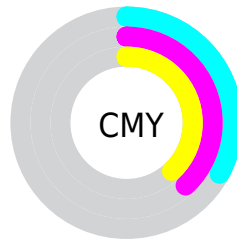
- Red (67%)
- Green (62%)
- Blue (62%)



- Red (67%)
- Yellow (62%)
- Blue (62%)



- Cyan (0%)
- Magenta (8%)
- Yellow (8%)
- Black (33%)




- Cyan (33%)
- Magenta (38%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6694, 36.0701, 37.8831 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 35.6694, 36.0701, 37.8831 by changing the saturation by 10% instead.




 35.6694, 36.0701,  
37.8831


 35.6694, 36.0701,  
37.8831

318.9697,  
329.2668, 352.4014

 24.3479, 24.4883,  
25.5908


 67.8487, 69.1402,  
73.1304

 15.7180, 15.6963,  
16.2948


 89.4372, 91.3974,  
96.9224

 9.4144, 9.3095,  
9.5764


115.1788,  
117.9819, 125.3849

 5.0717, 4.9436,  
5.0171

145.4387,  
149.2780, 158.9362

 2.3246, 2.2142,  
2.1984

180.5825,  
185.6701, 197.9950

 0.8072, 0.7277,  
0.6734

220.9753,

 0.0000, 0.0000,

227.5427, 242.9798

0.0000

266.9826,  
275.2802, 294.3090

■ 35.6694, 36.0701,  
37.8831

■ 35.6694, 36.0701,  
37.8831

■ 31.5255, 30.0067,  
29.6432

■ 40.4345, 43.0426,  
47.3557

■ 27.9743, 24.8104,  
22.5831

■ 45.8417, 50.9544,  
58.1062

■ 24.9896, 20.4430,  
16.6495

■ 51.9146, 59.8402,  
70.1805

■ 22.5422, 16.8618,  
11.7843

■ 58.6748, 69.7318,  
83.6215

■ 20.6002, 14.0200,  
7.9238

■ 66.1429, 80.6590,  
98.4701

■ 19.1282, 11.8660,  
4.9980

■ 70.8235, 87.5108,  
107.7662

■ 18.0866, 10.3415,  
2.9278

■ 17.4288, 9.3789,  
1.6208

■ 17.0825, 8.8720,  
0.9327

# Harmonies

## Analogous

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



35.7337, 36.0701, 40.0179



35.6694, 36.0701, 37.8831



35.2307, 36.0701, 36.1816

# Triad

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



35.6694, 36.0701, 37.8831



33.1860, 36.0701, 36.6471



34.0261, 36.0701, 43.5141

# Complementary

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



35.6694, 36.0701, 37.8831



36.4969, 39.8539, 44.7992

# 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.



33.3535, 36.0701, 42.5383



35.6694, 36.0701, 37.8831



32.8732, 36.0701, 38.5397

# Square

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



35.6694, 36.0701, 37.8831



33.7943, 36.0701, 35.4863



32.9341, 36.0701, 40.6990



34.7775, 36.0701, 43.3225



# Rectangle

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



35.6694, 36.0701, 37.8831



34.7885, 36.0701, 35.4969



32.9341, 36.0701, 40.6990



33.7835, 36.0701, 43.3104

# Sweetspot

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



35.6704, 36.0717, 37.8839



69.3416, 72.2147, 77.9332



36.8583, 36.5460, 44.1417



15.0909, 15.7252, 16.9792



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123



# Same Dimension

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



35.6704, 36.0717, 37.8839



63.4307, 63.5657, 66.1814



36.8173, 38.3654, 38.2662



8.0054, 8.0156, 8.3386



12.6610, 6.5276, 0.5926



0.3523, 0.1817, 0.0165



# Inverse Universe

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



36.4969, 39.8539, 44.7992



65.2287, 71.7938, 81.2254



35.2905, 37.4410, 44.3971



8.2362, 9.0718, 10.2696



16.5141, 24.1620, 32.8379

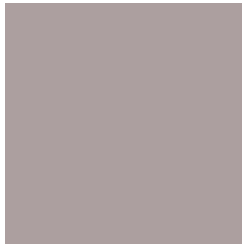


0.4595, 0.6723, 0.9135



# Previews

## White Background



This preview shows how the XYZ color 35.6694, 36.0701, 37.8831 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 35.6694, 36.0701, 37.8831 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

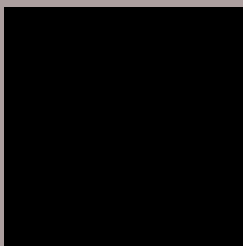
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

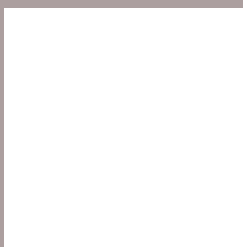
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 35.6694, 36.0701, 37.8831**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.6694, 36.0701, 37.8831.



This preview shows how white text looks on a background with the XYZ color 35.6694, 36.0701,



# 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

35.6694, 36.0701, 37.8831

### Protanopia

34.6071, 36.0271, 38.3876

### Deuteranopia

36.6751, 36.0821, 37.8324



## Tritanopia

36.7682, 36.0149, 43.0439

# Trichromacy



## Original Color

35.6694, 36.0701, 37.8831

## Protanomaly

35.0644, 36.0045, 38.3592

## Deuteranomaly

36.3894, 36.1870, 37.8678

## Tritanomaly

36.3434, 36.0911, 41.1272

# Monochromacy



## Original Color

35.6694, 36.0701, 37.8831

## Achromatopsia

34.8123, 36.6253, 39.8849

## Achromatomaly

35.1678, 36.5563, 39.3849

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.6694, 36.0701, 37.8831 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(172, 159, 159)` looks like.

```
.text, #text, p{  
    color:rgb(172, 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(172, 159, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 159, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 35.6694, 36.0701, 37.8831 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(172, 159, 159) }
```



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

```
.border{ border-color:rgb(172, 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(172, 159, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 159, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 159, 159);  
box-shadow:4px 4px 4px 4px rgb(172, 159,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.6694, 36.0701, 37.8831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 159, 159) }
```

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

```
.background{ background-color: rgb(172,  
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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