

# Converting Colors

XYZ(35.8915, 37.2245, 36.0806)

Have a look what the booklet for  
XYZ(35.8915, 37.2245, 36.0806)  
contains.

<b>XYZ(35.9432, 37.2981, 35.8767)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(35.9432, 37.2981,  
35.8767)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ACA39A
RGB	172, 163, 154
RGB Percent	67%, 64%, 60%
CMY	0.3255, 0.3608, 0.3961
CMYK	0.00, 0.05, 0.10, 0.33
HSL	30°, 10%, 64%
HSV	30°, 10%, 67%
XYZ	35.9432, 37.2981, 35.8767
YIQ	164.6650, 8.2530, -0.8910

# Conversions

## Conversions Part 2

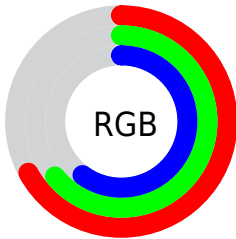
<b>Format</b>	<b>Color</b>
<b>RYB</b>	172, 172, 154
Decimal	11314074
CIELab	67.50, 1.66, 5.83
CIELCh	68, 6.059, 74.109
Yxy	37.2981, 0.3294, 0.3418
Android (android.graphics.Color)	4289504154 (0xFFACA39A)
YUV	164.6650, -5.2578, 6.4328
Hunter-Lab	61.0722, -1.8225, 7.9208

# Details

The XYZ color **35.9432, 37.2981, 35.8767** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.8700, 36.0425, 44.2020**, and the grayscale version is **35.6262, 37.4815, 40.8174**.

A 20% lighter version of the original color is **68.1351, 71.0278, 69.7931**, and **15.8783, 16.3412, 15.1493** is the 20% darker color. If you saturate the color by 10%, you get **33.1374, 33.8170, 28.3730**, and if you desaturate by 10%, it is **39.0601, 41.0722, 44.4978**.

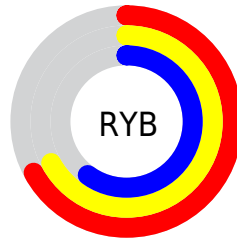
# Distribution



Red (67%)

Green (64%)

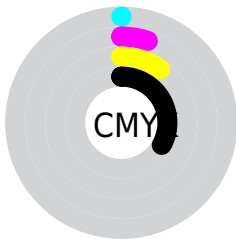
Blue (60%)



Red (67%)

Yellow (67%)

Blue (60%)

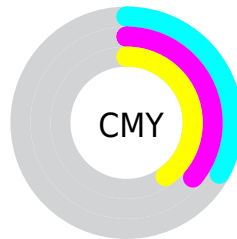


Cyan (0%)

Magenta (5%)

Yellow (10%)

Black (33%)



Cyan (33%)

Magenta (36%)

Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9432, 37.2981, 35.8767 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 35.9432, 37.2981, 35.8767 by changing the saturation by 10% instead.



■ 35.9432, 37.2981,  
35.8767

■ 35.9432, 37.2981,  
35.8767

320.1478,  
334.5993, 343.4424

■ 24.5602, 25.4384,  
24.0500

■ 68.2688, 71.0310,  
70.0086

■ 15.8767, 16.4040,  
15.1582

■ 89.9422, 93.6730,  
93.1510

■ 9.5272, 9.8105,  
8.7826

115.7764,  
120.6779, 120.9023

■ 5.1465, 5.2735,  
4.5048

146.1369,  
152.4301, 153.6811

■ 2.3691, 2.4086,  
1.9062

181.3889,  
189.3139, 191.9060

■ 0.8297, 0.8303,  
0.4967

221.8978,

■ 0.0000, 0.0000,

231.7138, 235.9955

0.0000

268.0290,  
280.0141, 286.3681

■ 35.9432, 37.2981,  
35.8767

■ 35.9432, 37.2981,  
35.8767

■ 33.1374, 33.8170,  
28.3730

■ 39.0601, 41.0722,  
44.4978

■ 30.6290, 30.6163,  
21.9378

■ 42.4953, 45.1417,  
54.2776

■ 28.4076, 27.6899,  
16.5223

■ 46.2594, 49.5150,  
65.2583

■ 26.4608, 25.0292,  
12.0727

■ 50.3616, 54.1989,  
77.4790

■ 24.7755, 22.6254,  
8.5303

■ 54.8108, 59.2000,  
90.9773

■ 23.3371, 20.4690,  
5.8299

■ 59.2589, 64.3817,  
103.9114

■ 22.1292, 18.5494,  
3.8974

■ 61.5004, 68.8647,  
104.6585

■ 21.1329, 16.8551,  
2.6456

■ 63.8586, 73.5811,  
105.4446

■ 20.3436, 15.4310,  
1.9063

■ 66.3352, 78.5342,  
106.2701

# Harmonies

## Analogous

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



36.7518, 37.2981, 37.1460



35.9432, 37.2981, 35.8767



35.0161, 37.2981, 35.8387

# Triad

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



35.9432, 37.2981, 35.8767



33.7426, 37.2981, 41.8741



36.7115, 37.2981, 44.4053

# Complementary

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



35.9432, 37.2981, 35.8767



33.8700, 36.0425, 44.2020

# 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.



35.8890, 37.2981, 45.7898



35.9432, 37.2981, 35.8767



34.1807, 37.2981, 44.2857

# Square

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



35.9432, 37.2981, 35.8767



33.7565, 37.2981, 39.2235



34.9628, 37.2981, 45.7451



37.2007, 37.2981, 42.0315



# Rectangle

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



35.9432, 37.2981, 35.8767



34.4562, 37.2981, 36.5121



34.9628, 37.2981, 45.7451



36.4642, 37.2981, 45.0063

# Sweetspot

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



35.9442, 37.2997, 35.8775



69.3418, 72.6873, 76.4775



35.1802, 34.5268, 39.4610



14.9703, 15.6770, 16.3441



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.



35.9442, 37.2997, 35.8775



63.7426, 65.8655, 61.1187



37.5990, 40.6093, 36.4291



8.3237, 8.6523, 8.4447



15.1937, 11.5929, 1.4369



0.4774, 0.4321, 0.0582



# Inverse Universe

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



33.8700, 36.0425, 44.2020



59.0730, 63.0350, 79.8593



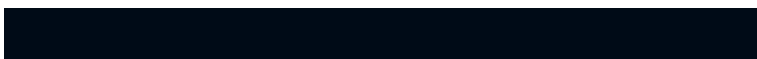
32.3290, 32.9604, 43.6883



7.8972, 8.3938, 10.1566



8.0710, 7.2759, 30.0235



0.2793, 0.3120, 0.8535



# Previews

## White Background



This preview shows how the XYZ color 35.9432, 37.2981, 35.8767 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 35.9432, 37.2981, 35.8767 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

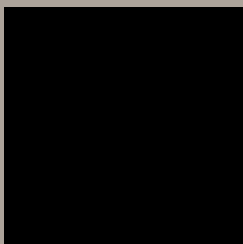
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

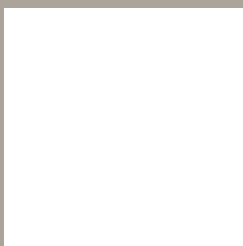
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 35.9432, 37.2981, 35.8767**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.9432, 37.2981, 35.8767.



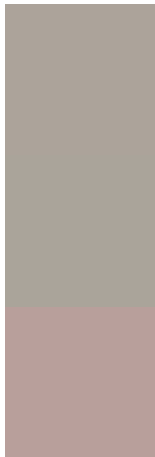
This preview shows how white text looks on a background with the XYZ color 35.9432, 37.2981,

35.8767.

# 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

35.9432, 37.2981, 35.8767

### Protanopia

35.6858, 37.4301, 35.9157

### Deuteranopia

38.0817, 37.3532, 36.2131



## **Tritanopia**

37.7928, 37.2727, 44.7376

# Trichromacy



## Original Color

35.9432, 37.2981, 35.8767

## Protanomaly

35.9028, 37.5419, 35.9259

## Deuteranomaly

37.3096, 37.2115, 36.2265

## Tritanomaly

37.0834, 37.2416, 41.3102

# Monochromacy



## Original Color

35.9432, 37.2981, 35.8767

## Achromatopsia

35.7637, 37.6262, 40.9749

## Achromatomaly

35.8569, 37.4490, 39.0567

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.9432, 37.2981, 35.8767 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, 163, 154)` looks like.

```
.text, #text, p{  
    color:rgb(172, 163, 154)  
}
```

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, 163, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 163, 154) }
```

## Border

The CSS property to change the border of an element to XYZ 35.9432, 37.2981, 35.8767 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, 163, 154) }
```



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

```
.border{ border-color:rgb(172, 163, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 163, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 163, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 163, 154);  
box-shadow:4px 4px 4px 4px rgb(172, 163,  
154) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.9432, 37.2981, 35.8767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 163, 154) }
```

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

```
.background{ background-color: rgb(172,  
163, 154) }
```

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