

# Converting Colors

XYZ(37.7137, 39.6079, 36.2631)

Have a look what the booklet for  
XYZ(37.7137, 39.6079, 36.2631)  
contains.

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# Color

**XYZ(37.7399, 39.5685,  
36.2202)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0A89A
RGB	176, 168, 154
RGB Percent	69%, 66%, 60%
CMY	0.3098, 0.3412, 0.3961
CMYK	0.00, 0.05, 0.12, 0.31
HSL	38°, 12%, 65%
HSV	38°, 12%, 69%
XYZ	37.7399, 39.5685, 36.2202
YIQ	168.7960, 9.2620, -2.6580

# Conversions

## Conversions Part 2

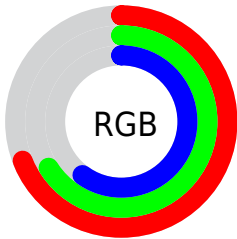
<b>Format</b>	<b>Color</b>
<b>RYB</b>	167, 176, 154
Decimal	11577498
CIELab	69.16, 0.43, 8.25
CIELCh	69, 8.263, 87.042
Yxy	39.5685, 0.3324, 0.3485
Android (android.graphics.Color)	4289767578 (0xFFB0A89A)
YUV	168.7960, -7.2944, 6.3179
Hunter-Lab	62.9035, -2.9874, 9.8929

# Details

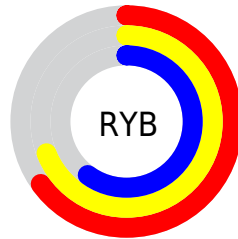
The XYZ color **37.7399, 39.5685, 36.2202** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.0831, 35.8446, 46.1971**, and the grayscale version is **37.6439, 39.6043, 43.1291**.

A 20% lighter version of the original color is **71.0516, 74.4852, 70.3068**, and **16.8620, 17.6810, 15.3560** is the 20% darker color. If you saturate the color by 10%, you get **35.2284, 36.7217, 28.6736**, and if you desaturate by 10%, it is **40.5266, 42.6210, 44.9200**.

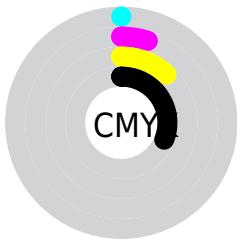
# Distribution



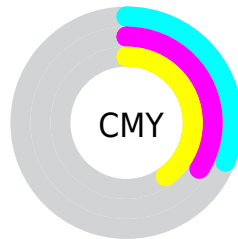
- Red (69%)
- Green (66%)
- Blue (60%)



- Red (65%)
- Yellow (69%)
- Blue (60%)



- Cyan (0%)
- Magenta (5%)
- Yellow (12%)
- Black (31%)



- Cyan (31%)
- Magenta (34%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7399, 39.5685, 36.2202 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 37.7399, 39.5685, 36.2202 by changing the saturation by 10% instead.



■ 37.7399, 39.5685,  
36.2202

■ 37.7399, 39.5685,  
36.2202

327.8031,  
344.3015, 344.9884

■ 25.9572, 27.2023,  
24.3133

■ 71.0158, 74.5060,  
70.5447

■ 16.9241, 17.7252,  
15.3518

■ 93.2396, 97.8460,  
93.7993

■ 10.2754, 10.7529,  
8.9173

119.6746,  
125.6128, 121.6736

■ 5.6456, 5.9009,  
4.5912

150.6860,  
158.1907, 154.5860

■ 2.6694, 2.7849,  
1.9550

186.6392,  
195.9642, 192.9552

■ 0.9814, 1.0205,  
0.5274

227.8995,

■ 0.0000, 0.0000,

239.3175, 237.1996

0.0000

274.8324,  
288.6351, 287.7379

■ 37.7399, 39.5685,  
36.2202

■ 37.7399, 39.5685,  
36.2202

■ 35.2284, 36.7217,  
28.6736

■ 40.5266, 42.6210,  
44.9200

■ 32.9788, 34.0700,  
22.2282

■ 43.5949, 45.8791,  
54.8167

■ 30.9813, 31.6094,  
16.8319

■ 46.9549, 49.3495,  
65.9549

■ 29.2242, 29.3339,  
12.4275

■ 50.6152, 53.0367,  
78.3763

■ 27.6948, 27.2370,  
8.9520

■ 54.5841, 56.9454,  
92.1204

■ 26.3788, 25.3115,  
6.3352

■ 58.1195, 60.7799,  
103.2762

■ 25.2601, 23.5495,  
4.4968

■ 59.6950, 63.9308,  
103.8014

■ 24.3197, 21.9419,  
3.3410

■ 61.3339, 67.2086,  
104.3477

■ 23.7020, 20.8248,  
2.7704

■ 63.0369, 70.6147,  
104.9153

# Harmonies

## Analogous

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



39.0073, 39.5685, 37.2641



37.7399, 39.5685, 36.2202



36.4658, 39.5685, 36.9244

# Triad

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



37.7399, 39.5685, 36.2202



35.3917, 39.5685, 46.4755



39.7801, 39.5685, 47.1627

# Complementary

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



37.7399, 39.5685, 36.2202



34.0831, 35.8446, 46.1971

# 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.



38.7752, 39.5685, 49.8918



37.7399, 39.5685, 36.2202



36.2439, 39.5685, 49.4790

# Square

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



37.7399, 39.5685, 36.2202



35.1290, 39.5685, 42.7091



37.4777, 39.5685, 50.7630



40.2024, 39.5685, 43.4599



# Rectangle

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



37.7399, 39.5685, 36.2202



35.7805, 39.5685, 38.3144



37.4777, 39.5685, 50.7630



39.4981, 39.5685, 48.2325

# Sweetspot

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



37.7410, 39.5702, 36.2210



72.6744, 76.4062, 78.8501



35.9881, 34.9529, 39.0638



15.6662, 16.4678, 16.8244



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.



37.7410, 39.5702, 36.2210



67.1413, 70.3030, 61.7053



38.6069, 42.2761, 36.6977



8.9321, 9.3768, 8.9917



17.4475, 15.3935, 2.0517



0.6021, 0.5906, 0.0823



# Inverse Universe

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



34.0831, 35.8446, 46.1971



59.1934, 62.2082, 83.3829



33.2842, 33.4077, 45.7688



8.2864, 8.7191, 10.7525



7.1452, 5.0908, 30.7430



0.2815, 0.2736, 0.9862



# Previews

## White Background



This preview shows how the XYZ color 37.7399, 39.5685, 36.2202 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

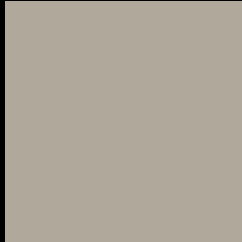
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.7399, 39.5685, 36.2202 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

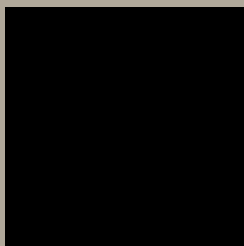
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

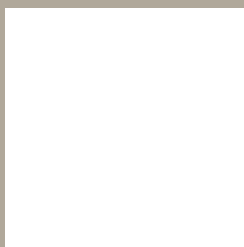
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 37.7399, 39.5685, 36.2202**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.7399, 39.5685, 36.2202.



This preview shows how white text looks on a background with the XYZ color 37.7399, 39.5685,



# 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

37.7399, 39.5685, 36.2202

### Protanopia

37.5146, 39.4523, 36.2097

### Deuteranopia

40.2488, 39.5081, 36.5148



## Tritanopia

39.9814, 39.6683, 47.1445

# Trichromacy



## Original Color

37.7399, 39.5685, 36.2202

## Protanomaly

37.5146, 39.4523, 36.2097

## Deuteranomaly

39.3791, 39.5911, 36.5767

## Tritanomaly

39.1577, 39.6020, 43.1162

# Monochromacy



## Original Color

37.7399, 39.5685, 36.2202

## Achromatopsia

37.7116, 39.6755, 43.2066

## Achromatomaly

37.9021, 39.8269, 40.8117

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.7399, 39.5685, 36.2202 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, 168, 154)` looks like.

```
.text, #text, p{  
    color:rgb(176, 168, 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(176, 168, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 168, 154) }
```

## Border

The CSS property to change the border of an element to XYZ 37.7399, 39.5685, 36.2202 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, 168, 154) }
```



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

```
.border{ border-color:rgb(176, 168, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 168, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 168, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 168, 154);  
box-shadow:4px 4px 4px 4px rgb(176, 168,  
154) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.7399, 39.5685, 36.2202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 168, 154) }
```

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

```
.background{ background-color: rgb(176,  
168, 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](#).

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