

# Converting Colors

XYZ(37.4224, 38.1459, 35.7416)

Have a look what the booklet for  
XYZ(37.4224, 38.1459, 35.7416)  
contains.

<b>XYZ(37.4374, 38.0780, 35.5136)</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(37.4374, 38.0780,  
35.5136)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B3A399
RGB	179, 163, 153
RGB Percent	70%, 64%, 60%
CMY	0.2980, 0.3608, 0.4000
CMYK	0.00, 0.09, 0.15, 0.30
HSL	23°, 15%, 65%
HSV	23°, 15%, 70%
XYZ	37.4374, 38.0780, 35.5136
YIQ	166.6440, 12.7460, 0.2820

# Conversions

## Conversions Part 2

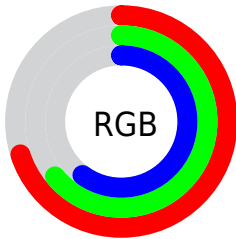
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 169, 153
Decimal	11772825
CIELab	68.08, 4.11, 7.29
CIELCh	68, 8.370, 60.591
Yxy	38.0780, 0.3372, 0.3430
Android (android.graphics.Color)	4289962905 (0xFFB3A399)
YUV	166.6440, -6.7265, 10.8362
Hunter-Lab	61.7074, 0.3067, 9.0728

# Details

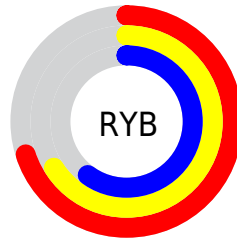
The XYZ color **37.4374, 38.0780, 35.5136** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.4614, 38.4022, 48.1916**, and the grayscale version is **36.5856, 38.4909, 41.9166**.

A 20% lighter version of the original color is **70.5948, 72.3100, 69.2680**, and **16.6869, 16.7638, 14.9266** is the 20% darker color. If you saturate the color by 10%, you get **34.1977, 33.7895, 27.6786**, and if you desaturate by 10%, it is **41.0713, 42.7992, 44.5751**.

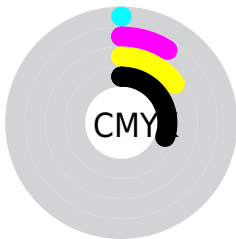
# Distribution



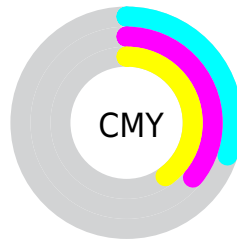
- Red (70%)
- Green (64%)
- Blue (60%)



- Red (70%)
- Yellow (66%)
- Blue (60%)



- Cyan (0%)
- Magenta (9%)
- Yellow (15%)
- Black (30%)



- Cyan (30%)
- Magenta (36%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4374, 38.0780, 35.5136 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 37.4374, 38.0780, 35.5136 by changing the saturation by 10% instead.



■ 37.4374, 38.0780,  
35.5136

■ 37.4374, 38.0780,  
35.5136

326.5231,  
337.9545, 341.8024

■ 25.7216, 26.0432,  
23.7721

■ 70.5545, 72.2277,  
69.4412

■ 16.7470, 16.8560,  
14.9540

■ 92.6864, 95.1114,  
92.4644

■ 10.1485, 10.1319,  
8.6408

119.0211,  
122.3802, 120.0852

■ 5.5605, 5.4865,  
4.4141

149.9239,  
154.4185, 152.7221

■ 2.6179, 2.5354,  
1.8551

185.7601,  
191.6106, 190.7938

■ 0.9551, 0.8943,  
0.4640

226.8952,

■ 0.0000, 0.0000,

234.3411, 234.7187

0.0000

273.6944,  
282.9942, 284.9154

■ 37.4374, 38.0780,  
35.5136

■ 37.4374, 38.0780,  
35.5136

■ 34.1977, 33.7895,  
27.6786

■ 41.0713, 42.7992,  
44.5751

■ 31.3350, 29.9162,  
21.0145

■ 45.1097, 47.9601,  
54.9108

■ 28.8351, 26.4464,  
15.4648

■ 49.5664, 53.5739,  
66.5687

■ 26.6820, 23.3661,  
10.9674

■ 54.4535, 59.6516,  
79.5934

■ 24.8580, 20.6605,  
7.4541

■ 59.7827, 66.2040,  
94.0277

■ 23.3437, 18.3135,  
4.8482

■ 64.6830, 72.8886,  
105.2675

■ 22.1174, 16.3078,  
3.0619

■ 67.8291, 79.1808,  
106.3162

■ 21.1535, 14.6238,  
1.9892

■ 71.1721, 85.8667,  
107.4305

■ 20.7107, 13.8240,  
1.5767

■ 72.4006, 88.3238,  
107.8400

# Harmonies

## Analogous

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



38.3939, 38.0780, 37.9120



37.4374, 38.0780, 35.5136



36.1662, 38.0780, 34.6857

# Triad

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



37.4374, 38.0780, 35.5136



33.7419, 38.0780, 41.5345



37.4832, 38.0780, 47.9551

# Complementary

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



37.4374, 38.0780, 35.5136



35.4614, 38.4022, 48.1916

# 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.



36.2178, 38.0780, 49.0645



37.4374, 38.0780, 35.5136



34.0760, 38.0780, 45.2237

# Square

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



37.4374, 38.0780, 35.5136



34.0511, 38.0780, 38.0329



34.9745, 38.0780, 48.0367



38.4208, 38.0780, 45.0880



# Rectangle

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



37.4374, 38.0780, 35.5136



35.3172, 38.0780, 35.0943



34.9745, 38.0780, 48.0367



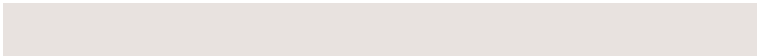
37.0811, 38.0780, 48.5534

# Sweetspot

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



37.4384, 38.0797, 35.5144



73.8716, 77.0567, 80.6281



37.1467, 35.2325, 42.3957



16.2523, 16.9252, 17.5751



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



37.4384, 38.0797, 35.5144



65.3782, 66.0007, 59.5129



39.8594, 42.9217, 36.3214



8.7555, 9.0235, 8.9328



14.6939, 9.8864, 1.1338



0.5198, 0.4261, 0.0548



# Inverse Universe

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



35.4614, 38.4022, 48.1916



61.2434, 66.6742, 86.0227



33.1681, 33.8156, 47.4272



8.4626, 9.0714, 10.8113



9.7644, 10.3292, 31.6161



0.3616, 0.4338, 1.0129



# Previews

## White Background



This preview shows how the XYZ color 37.4374, 38.0780, 35.5136 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 37.4374, 38.0780, 35.5136 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 37.4374, 38.0780, 35.5136**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.4374, 38.0780, 35.5136.



This preview shows how white text looks on a background with the XYZ color 37.4374, 38.0780,

35.5136.

# 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

37.4374, 38.0780, 35.5136

### Protanopia

36.3011, 38.0140, 35.9960

### Deuteranopia

38.8971, 38.0395, 35.8641



## Tritanopia

39.4050, 38.1038, 44.8131

# Trichromacy



## Original Color

37.4374, 38.0780, 35.5136

## Protanomaly

36.7874, 37.9980, 35.9673

## Deuteranomaly

38.3448, 38.0132, 35.8881

## Tritanomaly

38.6839, 38.0667, 41.3851

# Monochromacy



## Original Color

37.4374, 38.0780, 35.5136

## Achromatopsia

36.7301, 38.6429, 42.0822

## Achromatomaly

36.9524, 38.5390, 39.6736

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.4374, 38.0780, 35.5136 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(179, 163, 153)` looks like.

```
.text, #text, p{  
    color:rgb(179, 163, 153)  
}
```

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(179, 163, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 163, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 37.4374, 38.0780, 35.5136 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(179, 163, 153) }
```



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

```
.border{ border-color:rgb(179, 163, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 163, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 163, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 163, 153);  
box-shadow:4px 4px 4px 4px rgb(179, 163,  
153) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.4374, 38.0780, 35.5136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 163, 153) }
```

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

```
.background{ background-color: rgb(179,  
163, 153) }
```

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