

# Converting Colors

XYZ(37.7339, 34.4336, 38.2228)

Have a look what the booklet for  
XYZ(37.7339, 34.4336, 38.2228)  
contains.

<b>XYZ(37.7620, 34.4444, 38.3764)</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(37.7620, 34.4444,  
38.3764)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BC94A1
RGB	188, 148, 161
RGB Percent	74%, 58%, 63%
CMY	0.2627, 0.4196, 0.3686
CMYK	0.00, 0.21, 0.14, 0.26
HSL	341°, 23%, 66%
HSV	341°, 21%, 74%
XYZ	37.7620, 34.4444, 38.3764
YIQ	161.4420, 19.6670, 12.5230

# Conversions

## Conversions Part 2

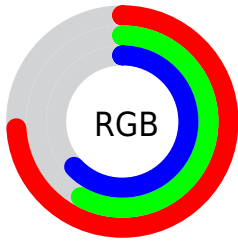
<b>Format</b>	<b>Color</b>
<b>RYB</b>	188, 148, 161
Decimal	12358817
CIELab	65.31, 17.08, -1.08
CIELCh	65, 17.115, 356.387
Yxy	34.4444, 0.3415, 0.3115
Android (android.graphics.Color)	4290548897 (0xFFBC94A1)
YUV	161.4420, -0.2179, 23.2914
Hunter-Lab	58.6894, 12.1444, 2.3134

# Details

The XYZ color **37.7620, 34.4444, 38.3764** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **37.9352, 45.3584, 47.3153**, and the grayscale version is **34.0773, 35.8520, 39.0428**.

A 20% lighter version of the original color is **71.1714, 66.6114, 74.0719**, and **16.9207, 14.7435, 16.7058** is the 20% darker color. If you saturate the color by 10%, you get **33.9863, 28.5939, 31.8737**, and if you desaturate by 10%, it is **42.1322, 41.3014, 45.6386**.

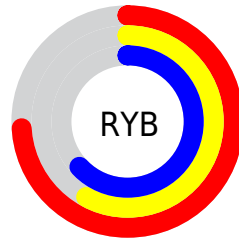
# Distribution



Red (74%)

Green (58%)

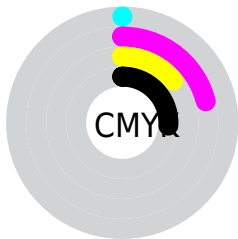
Blue (63%)



Red (74%)

Yellow (58%)

Blue (63%)

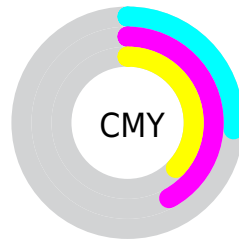


Cyan (0%)

Magenta (21%)

Yellow (14%)

Black (26%)



Cyan (26%)

Magenta (42%)


Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7620, 34.4444, 38.3764 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 37.7620, 34.4444, 38.3764 by changing the saturation by 10% instead.





 37.7620, 34.4444,  
38.3764


 37.7620, 34.4444,  
38.3764


327.8964,  
322.1091, 354.5784

 25.9744, 23.2352,  
25.9709

 71.0495, 66.6242,  
73.8945

 16.9371, 14.7673,  
16.5763


 93.2800, 88.3635,  
97.8442

 10.2847, 8.6562,  
9.7741


119.7223,  
114.3817, 126.4789

 5.6518, 4.5176,  
5.1458

150.7416,  
145.0631, 160.2173

 2.6732, 1.9671,  
2.2728

186.7033,  
180.7922, 199.4779

 0.9834, 0.5883,  
0.7159

227.9728,

 0.0000, 0.0000,

221.9533, 244.6793

0.0000

274.9154,  
268.9308, 296.2399

■ 37.7620, 34.4444,  
38.3764

■ 37.7620, 34.4444,  
38.3764

■ 33.9863, 28.5939,  
31.8737

■ 42.1322, 41.3014,  
45.6386

■ 30.7758, 23.6976,  
26.1028

■ 47.1187, 49.2045,  
53.6823

■ 28.1028, 19.7056,  
21.0376

■ 52.7459, 58.1969,  
62.5313

■ 25.9363, 16.5618,  
16.6492

■ 59.0358, 68.3180,  
72.2076

■ 24.2418, 14.2035,  
12.9069

■ 66.0094, 79.6053,  
82.7325

■ 22.9802, 12.5591,  
9.7770

■ 71.8069, 88.3345,  
93.4997

■ 22.1056, 11.5441,  
7.2220

■ 73.7293, 89.1035,  
103.6228

■ 21.5840, 11.0294,  
5.4188

■ 74.5492, 89.4315,  
107.9406

# Harmonies

## Analogous

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



36.8972, 34.4444, 45.6334



37.7620, 34.4444, 38.3764



37.2255, 34.4444, 31.7248

# Triad

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



37.7620, 34.4444, 38.3764



30.6528, 34.4444, 26.4961



30.1545, 34.4444, 50.1455

# Complementary

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



37.7620, 34.4444, 38.3764



37.9352, 45.3584, 47.3153

# 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.



28.6272, 34.4444, 43.9458



37.7620, 34.4444, 38.3764



28.9044, 34.4444, 30.4026

# Square

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



37.7620, 34.4444, 38.3764



33.0416, 34.4444, 25.3981



28.1813, 34.4444, 36.6451



32.4370, 34.4444, 52.9505



# Rectangle

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



37.7620, 34.4444, 38.3764



36.1593, 34.4444, 28.4124



28.1813, 34.4444, 36.6451



29.5403, 34.4444, 48.3538

# Sweetspot

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



37.7630, 34.4460, 38.3771



80.8932, 82.0240, 90.0787



37.2727, 33.8878, 52.1539



17.2695, 17.4389, 19.1674



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



37.7630, 34.4460, 38.3771



64.7823, 56.7425, 63.3121



37.7515, 36.1629, 33.0093



9.6545, 9.5861, 10.5698



14.7260, 7.5216, 3.8510



0.6076, 0.3069, 0.3128



# Inverse Universe

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



37.7630, 34.4460, 38.3771



64.7823, 56.7425, 63.3121



37.8828, 43.1113, 53.9021



9.6545, 9.5861, 10.5698



14.7260, 7.5216, 3.8510



0.6076, 0.3069, 0.3128



# Previews

## White Background



This preview shows how the XYZ color 37.7620, 34.4444, 38.3764 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 37.7620, 34.4444, 38.3764 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

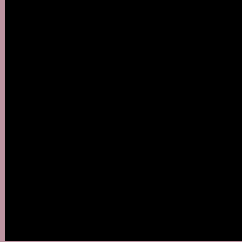
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 37.7620, 34.4444, 38.3764**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.7620, 34.4444, 38.3764.



This preview shows how white text looks on a background with the XYZ color 37.7620, 34.4444,

38.3764.

# 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

37.7620, 34.4444, 38.3764

### Protanopia

33.5000, 34.6147, 41.4749

### Deuteranopia

35.3563, 34.6479, 38.0819



## Tritanopia

37.6741, 34.4092, 37.9137

# Trichromacy



## Original Color

37.7620, 34.4444, 38.3764

## Protanomaly

34.9247, 34.3739, 40.3914

## Deuteranomaly

36.1638, 34.5782, 38.0259

## Tritanomaly

37.6741, 34.4092, 37.9137

# Monochromacy



## Original Color

37.7620, 34.4444, 38.3764

## Achromatopsia

33.8758, 35.6400, 38.8120

## Achromatomaly

35.1161, 35.0081, 38.6246

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.7620, 34.4444, 38.3764 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(188, 148, 161)` looks like.

```
.text, #text, p{  
    color:rgb(188, 148, 161)  
}
```

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(188, 148, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 148, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 37.7620, 34.4444, 38.3764 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(188, 148, 161) }
```



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

```
.border{ border-color:rgb(188, 148, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 148, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 148, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 148, 161);  
box-shadow:4px 4px 4px 4px rgb(188, 148,  
161) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.7620, 34.4444, 38.3764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 148, 161) }
```

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

```
.background{ background-color: rgb(188,  
148, 161) }
```

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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