

# Converting Colors

XYZ(37.0344, 40.5387, 13.6574)

Have a look what the booklet for  
XYZ(37.0344, 40.5387, 13.6574)  
contains.

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# Color

**XYZ(37.0344, 40.5387,  
13.6574)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDAB51
RGB	189, 171, 81
RGB Percent	74%, 67%, 32%
CMY	0.2588, 0.3294, 0.6823
CMYK	0.00, 0.10, 0.57, 0.26
HSL	50°, 45%, 53%
HSV	50°, 57%, 74%
XYZ	37.0344, 40.5387, 13.6574
YIQ	166.1220, 39.6180, -24.1740

# Conversions

## Conversions Part 2

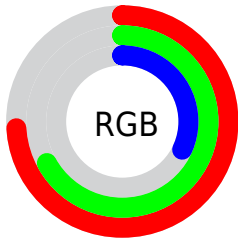
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	103, 189, 81
Decimal	12430161
CIELab	69.85, -4.85, 47.90
CIELCh	70, 48.150, 95.786
Yxy	40.5387, 0.4059, 0.4444
Android (android.graphics.Color)	4290620241 (0xFFBDAB51)
YUV	166.1220, -41.9651, 20.0640
Hunter-Lab	63.6700, -7.5959, 31.8511

# Details

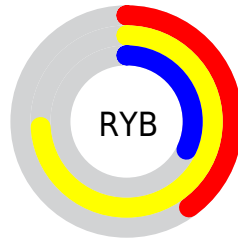
The XYZ color **37.0344, 40.5387, 13.6574** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **17.0404, 14.3467, 50.0151**, and the grayscale version is **36.4886, 38.3889, 41.8055**.

A 20% lighter version of the original color is **69.7878, 75.8603, 33.1546**, and **16.4915, 18.2689, 3.8195** is the 20% darker color. If you saturate the color by 10%, you get **35.8346, 39.1198, 10.2344**, and if you desaturate by 10%, it is **38.4476, 42.0687, 18.1255**.

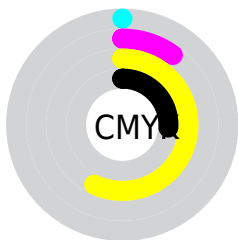
# Distribution



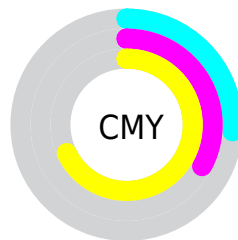
- Red (74%)
- Green (67%)
- Blue (32%)



- Red (40%)
- Yellow (74%)
- Blue (32%)



- Cyan (0%)
- Magenta (10%)
- Yellow (57%)
- Black (26%)



- Cyan (26%)
- Magenta (33%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0344, 40.5387, 13.6574 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 37.0344, 40.5387, 13.6574 by changing the saturation by 10% instead.



■ 37.0344, 40.5387,  
13.6574

■ 37.0344, 40.5387,  
13.6574

324.8124,  
348.3889, 226.4428

■ 25.4079, 27.9588,  
7.7468

■ 69.9392, 75.9831,  
33.1882

■ 16.5116, 18.2946,  
3.8479

■ 91.9482, 99.6165,  
47.6455

■ 9.9800, 11.1617,  
1.5423

■ 118.1488,  
127.7031, 65.7887

■ 5.4479, 6.1757,  
0.2491

■ 148.9062,  
160.6273, 88.0364

■ 2.5498, 2.9522,  
0.0000

■ 184.5860,  
198.7736, 114.8071

■ 0.9204, 1.1068,  
0.0000

225.5533,

■ 0.0000, 0.0000,

242.5264, 146.5194

0.0000

272.1737,  
292.2700, 183.5917

■ 37.0344, 40.5387,  
13.6574

■ 37.0344, 40.5387,  
13.6574

■ 35.8346, 39.1198,  
10.2344

■ 38.4476, 42.0687,  
18.1255

■ 34.8283, 37.7993,  
7.7654

■ 40.0863, 43.7102,  
23.7148

■ 33.9968, 36.5710,  
6.1478

■ 41.9649, 45.4707,  
30.4969

■ 33.3124, 35.4239,  
5.2369

■ 44.0960, 47.3553,  
38.5370

■ 33.1293, 35.1050,  
5.0298

■ 46.4910, 49.3687,  
47.8954

■ 49.1609, 51.5155,  
58.6286

■ 52.1157, 53.7999,  
70.7898

■ 55.3652, 56.2259,  
84.4293

■ 58.9184, 58.7972,  
99.5950

# Harmonies

## Analogous

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



45.0348, 40.5387, 15.3567



37.0344, 40.5387, 13.6574



30.3879, 40.5387, 17.6064

# Triad

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



37.0344, 40.5387, 13.6574



27.5722, 40.5387, 74.4234



53.9404, 40.5387, 64.2691

# Complementary

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



37.0344, 40.5387, 13.6574



17.0404, 14.3467, 50.0151

# 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.



48.0121, 40.5387, 89.1148



37.0344, 40.5387, 13.6574



32.6853, 40.5387, 96.2328

# Square

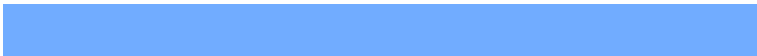
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.0344, 40.5387, 13.6574



25.4204, 40.5387, 48.6260



40.0670, 40.5387, 102.3617



55.5156, 40.5387, 39.9383



# Rectangle

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



37.0344, 40.5387, 13.6574



27.3834, 40.5387, 24.0791



40.0670, 40.5387, 102.3617



52.3548, 40.5387, 73.0609

# Sweetspot

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



37.0354, 40.5406, 13.6582



78.9234, 84.7681, 68.8171



26.1811, 17.6049, 13.8231



16.7999, 18.0798, 14.1398



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.



37.0354, 40.5406, 13.6582



63.6112, 69.3450, 16.8493



32.8198, 43.7616, 14.5021



10.1833, 10.8425, 10.1327



22.3386, 23.7159, 3.4003



0.9115, 1.0020, 0.1454



# Inverse Universe

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



17.0404, 14.3467, 50.0151



24.3761, 18.0195, 88.4196



19.4642, 13.3414, 49.6933



9.1415, 9.4754, 12.0193



6.5572, 3.2261, 32.6700



0.2974, 0.2075, 1.2932



# Previews

## White Background



This preview shows how the XYZ color 37.0344, 40.5387, 13.6574 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

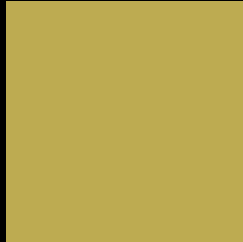
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.0344, 40.5387, 13.6574 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

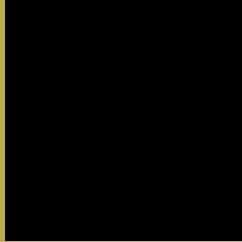
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 37.0344, 40.5387, 13.6574**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.0344, 40.5387, 13.6574.



This preview shows how white text looks on a background with the XYZ color 37.0344, 40.5387,



# 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

37.0344, 40.5387, 13.6574

### Protanopia

37.0344, 40.5387, 13.6574

### Deuteranopia

41.2369, 40.5206, 13.8314



## Tritanopia

43.4108, 40.4160, 45.5575

# Trichromacy



## Original Color

37.0344, 40.5387, 13.6574

## Protanomaly

37.0344, 40.5387, 13.6574

## Deuteranomaly

39.5163, 40.4382, 13.7053

## Tritanomaly

40.4369, 40.2731, 30.4532

# Monochromacy



## Original Color

37.0344, 40.5387, 13.6574

## Achromatopsia

36.2450, 38.1326, 41.5264

## Achromatomaly

35.8314, 38.7532, 28.5133

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.0344, 40.5387, 13.6574 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(189, 171, 81)` looks like.

```
.text, #text, p{  
    color:rgb(189, 171, 81)  
}
```

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(189, 171, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 171, 81) }
```

## Border

The CSS property to change the border of an element to XYZ 37.0344, 40.5387, 13.6574 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(189, 171, 81) }
```



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

```
.border{ border-color:rgb(189, 171, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 171, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 171, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 171, 81);  
box-shadow:4px 4px 4px 4px rgb(189, 171,  
81) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.0344, 40.5387, 13.6574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 171, 81) }
```

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

```
.background{ background-color: rgb(189,  
171, 81) }
```

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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