

Converting Colors

XYZ(37.1502, 42.0398, 13.3642)

Have a look what the booklet for
XYZ(37.1502, 42.0398, 13.3642)
contains.

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Color

**XYZ(37.1502, 42.0398,
13.3642)**

Conversions

Conversions Part 1

Format	Color
Hex	BAB04E
RGB	186, 176, 78
RGB Percent	73%, 69%, 31%
CMY	0.2706, 0.3098, 0.6941
CMYK	0.00, 0.05, 0.58, 0.27
HSL	54°, 44%, 52%
HSV	54°, 58%, 73%
XYZ	37.1502, 42.0398, 13.3642
YIQ	167.8180, 37.4180, -28.3580

Conversions

Conversions Part 2

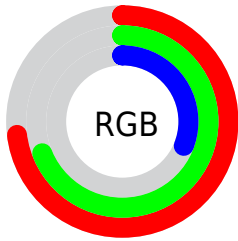
Format	Color
R _Y B	89, 186, 78
Decimal	12234830
CIE Lab	70.90, -8.99, 50.43
CIE LCh	71, 51.226, 100.103
Yxy	42.0398, 0.4014, 0.4542
Android (android.graphics.Color)	4290424910 (0xFFBAB04E)
YUV	167.8180, -44.2803, 15.9456
Hunter-Lab	64.8381, -11.1918, 33.1660

Details

The XYZ color **37.1502, 42.0398, 13.3642** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **15.4946, 12.1441, 47.9816**, and the grayscale version is **37.3286, 39.2725, 42.7678**.

A 20% lighter version of the original color is **69.9134, 77.9966, 32.4891**, and **16.5890, 19.2313, 3.7574** is the 20% darker color. If you saturate the color by 10%, you get **36.2404, 41.1408, 10.2236**, and if you desaturate by 10%, it is **38.2548, 43.0267, 17.5012**.

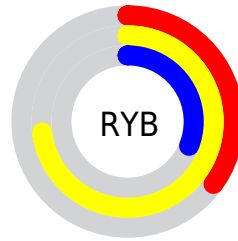
Distribution



Red (73%)

Green (69%)

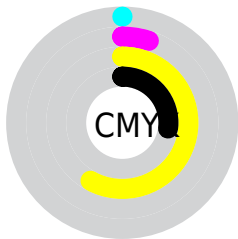
Blue (31%)



Red (35%)

Yellow (73%)

Blue (31%)

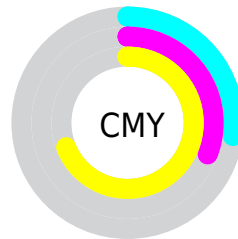


Cyan (0%)

Magenta (5%)

Yellow (58%)

Black (27%)



Cyan (27%)

Magenta (31%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1502, 42.0398, 13.3642 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 37.1502, 42.0398, 13.3642 by changing the saturation by 10% instead.

37.1502, 42.0398,
13.3642

37.1502, 42.0398,
13.3642

325.3046,
354.6479, 224.5280

25.4980, 29.1325,
7.5461

70.1161, 78.2599,
32.6573

16.5792, 19.1810,
3.7224

92.1605, 102.3414,
46.9694

10.0284, 11.8012,
1.4743

118.3996,
130.9164, 64.9499

5.4802, 6.6084,
0.1987

149.1989,
164.3693, 87.0174

2.5693, 3.2185,
0.0000

184.9237,
203.0845, 113.5904

0.9303, 1.2468,
0.0000

225.9394,

0.0000, 0.0995,

247.4464, 145.0875

0.0000

272.6112,
297.8394, 181.9272

■ 0.0000, 0.0000,
0.0000

■ 37.1502, 42.0398,
13.3642

■ 37.1502, 42.0398,
13.3642

■ 36.2404, 41.1408,
10.2236

■ 38.2548, 43.0267,
17.5012

■ 35.5062, 40.3173,
7.9905

■ 39.5658, 44.1015,
22.7080

■ 34.9293, 39.5635,
6.5649

■ 41.0973, 45.2714,
29.0544

■ 34.4796, 38.8673,
5.7883

■ 42.8611, 46.5411,
36.6033

■ 34.3978, 38.7354,
5.6637

■ 44.8685, 47.9152,
45.4132

■ 47.1297, 49.3978,
55.5386

■ 49.6547, 50.9929,
67.0309

■ 52.4525, 52.7042,
79.9387

■ 55.5321, 54.5352,
94.3084

Harmonies

Analogous

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



45.8006, 42.0398, 14.2982



37.1502, 42.0398, 13.3642



30.3002, 42.0398, 18.4349

Triad

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



37.1502, 42.0398, 13.3642



28.6840, 42.0398, 83.1685



57.4403, 42.0398, 63.6845

Complementary

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



37.1502, 42.0398, 13.3642



15.4946, 12.1441, 47.9816

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.



51.4756, 42.0398, 91.8969



37.1502, 42.0398, 13.3642



34.6339, 42.0398, 105.6371

Square

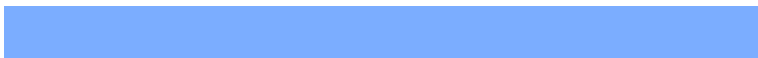
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.1502, 42.0398, 13.3642



25.8933, 42.0398, 54.5141



42.9029, 42.0398, 109.3018



58.3679, 42.0398, 38.0222

Rectangle

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



37.1502, 42.0398, 13.3642



27.3637, 42.0398, 26.1335



42.9029, 42.0398, 109.3018



55.9215, 42.0398, 73.3914

Sweetspot

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



37.1512, 42.0418, 13.3651



77.9568, 84.5465, 67.5103



24.7691, 16.6062, 11.3076



17.0163, 18.5125, 14.2119



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.



37.1512, 42.0418, 13.3651



65.2435, 74.0939, 17.1098



30.2274, 41.4897, 13.6234



9.6772, 10.3574, 9.5960



23.1710, 26.1183, 3.8201



0.8377, 0.9624, 0.1416

Inverse Universe

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



15.4946, 12.1441, 47.9816



22.3078, 14.8698, 85.8958



19.5009, 13.0739, 47.9500



8.5862, 8.8496, 11.3350



6.1251, 2.7099, 31.4533



0.2384, 0.1404, 1.1163

Previews

White Background



This preview shows how the XYZ color 37.1502, 42.0398, 13.3642 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 37.1502, 42.0398, 13.3642 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 37.1502, 42.0398, 13.3642

Background



This preview shows how black text looks on a background with the XYZ color 37.1502, 42.0398, 13.3642.



This preview shows how white text looks on a background with the XYZ color 37.1502, 42.0398,

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

37.1502, 42.0398, 13.3642

Protanopia

38.4679, 42.1454, 13.1286

Deuteranopia

42.6719, 41.8005, 13.6038



Tritanopia

43.9967, 41.7267, 47.8547

Trichromacy



Original Color

37.1502, 42.0398, 13.3642

Protanomaly

37.9047, 42.1429, 13.1578

Deuteranomaly

40.5378, 41.7925, 13.5196

Tritanomaly

40.8087, 41.5354, 31.4575

Monochromacy



Original Color

37.1502, 42.0398, 13.3642

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.6153, 39.9890, 28.7105

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1502, 42.0398, 13.3642 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(186, 176, 78)` looks like.

```
.text, #text, p{  
    color:rgb(186, 176, 78)  
}
```

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(186, 176, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 176, 78) }
```

Border

The CSS property to change the border of an element to XYZ 37.1502, 42.0398, 13.3642 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(186, 176, 78) }
```


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

```
.border{ border-color:rgb(186, 176, 78) }
```

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

Here you see how a box with a 4 pixel rgb(186, 176, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 176, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 176, 78);  
box-shadow:4px 4px 4px 4px rgb(186, 176,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1502, 42.0398, 13.3642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 176, 78) }
```

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

```
.background{ background-color: rgb(186,  
176, 78) }
```

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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