

Converting Colors

XYZ(36.9192, 41.5059, 19.0240)

Have a look what the booklet for
XYZ(36.9192, 41.5059, 19.0240)
contains.

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Color

**XYZ(36.8342, 41.4630,
18.8937)**

Conversions

Conversions Part 1

Format	Color
Hex	B5AF67
RGB	181, 175, 103
RGB Percent	71%, 69%, 40%
CMY	0.2902, 0.3137, 0.5961
CMYK	0.00, 0.03, 0.43, 0.29
HSL	55°, 35%, 56%
HSV	55°, 43%, 71%
XYZ	36.8342, 41.4630, 18.8937
YIQ	168.5860, 26.6880, -21.1200

Conversions

Conversions Part 2

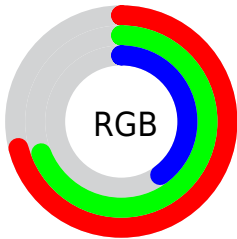
Format	Color
RYB	110, 181, 103
Decimal	11906919
CIELab	70.50, -8.30, 37.58
CIELCh	70, 38.490, 102.460
Yxy	41.4630, 0.3790, 0.4266
Android (android.graphics.Color)	4290096999 (0xFFB5AF67)
YUV	168.5860, -32.3339, 10.8871
Hunter-Lab	64.3918, -10.5778, 27.6775

Details

The XYZ color **36.8342, 41.4630, 18.8937** is a light color, and the websafe version is hex **999966**. A complement of this color would be **19.4025, 17.1564, 46.0049**, and the grayscale version is **37.6538, 39.6147, 43.1404**.

A 20% lighter version of the original color is **69.4731, 77.1373, 42.2377**, and **16.5012, 18.9443, 6.2769** is the 20% darker color. If you saturate the color by 10%, you get **35.7533, 40.6011, 14.5263**, and if you desaturate by 10%, it is **38.1166, 42.4129, 24.2995**.

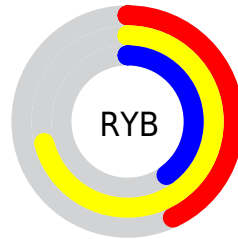
Distribution



Red (71%)

Green (69%)

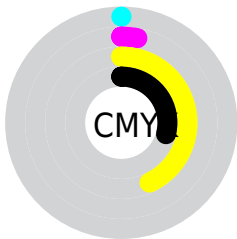
Blue (40%)



Red (43%)

Yellow (71%)

Blue (40%)

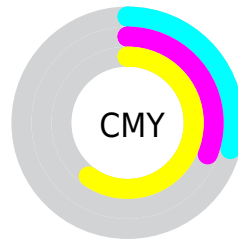


Cyan (0%)

Magenta (3%)

Yellow (43%)

Black (29%)



Cyan (29%)

Magenta (31%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8342, 41.4630, 18.8937 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 36.8342, 41.4630, 18.8937 by changing the saturation by 10% instead.

■ 36.8342, 41.4630,
18.8937

■ 36.8342, 41.4630,
18.8937

323.9602,
352.2520, 258.2644

■ 25.2522, 28.6810,
11.4175

■ 69.6332, 77.3862,
42.3887

■ 16.3948, 18.8397,
6.2307

■ 91.5809, 101.2963,
59.2445

■ 9.8966, 11.5545,
2.9148

■ 117.7146,
129.6846, 80.0640

■ 5.3922, 6.4411,
1.0513

■ 148.3997,
162.9354, 105.2656

■ 2.5163, 3.1151,
0.0000

184.0014,
201.4331, 135.2679

■ 0.9035, 1.1921,
0.0000

224.8851,

■ 0.0000, 0.0553,

245.5622, 170.4895

0.0000

271.4163,
295.7070, 211.3488

■ 0.0000, 0.0000,
0.0000

■ 36.8342, 41.4630,
18.8937

■ 36.8342, 41.4630,
18.8937

■ 35.7533, 40.6011,
14.5263

■ 38.1166, 42.4129,
24.2995

■ 34.8581, 39.8165,
11.1272

■ 39.6091, 43.4499,
30.8025

■ 34.1352, 39.1052,
8.6218


■ 41.3235, 44.5801,
38.4604


■ 33.5681, 38.4606,
6.9234


■ 43.2699, 45.8076,
47.3258


■ 33.1372, 37.8749,
5.9282


■ 45.4576, 47.1362,
57.4484

 32.8909, 37.4935,
5.5034

 47.8956, 48.5694,
68.8748

 50.5923, 50.1106,
81.6493

 53.5557, 51.7631,
95.8143

 54.9880, 52.8077,
101.9025

Harmonies

Analogous

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



43.2032, 41.4630, 19.3459



36.8342, 41.4630, 18.8937



31.7308, 41.4630, 23.9569

Triad

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



36.8342, 41.4630, 18.8937



31.0734, 41.4630, 73.0930



52.2301, 41.4630, 56.5210

Complementary

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



36.8342, 41.4630, 18.8937



19.4025, 17.1564, 46.0049

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.



48.2362, 41.4630, 76.1553



36.8342, 41.4630, 18.8937



35.8443, 41.4630, 87.3501

Square

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



36.8342, 41.4630, 18.8937



28.6527, 41.4630, 53.1156



42.1018, 41.4630, 88.6011



52.5686, 41.4630, 38.0166

Rectangle

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



36.8342, 41.4630, 18.8937



29.5476, 41.4630, 30.8362



42.1018, 41.4630, 88.6011



51.2523, 41.4630, 63.3132

Sweetspot

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



36.8352, 41.4649, 18.8946



73.9691, 79.8161, 68.6984



26.6939, 20.6396, 17.1869



15.8353, 17.1526, 14.1636



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.



36.8352, 41.4649, 18.8946



64.0734, 72.7491, 26.1723



31.2756, 40.3697, 18.9762



9.1401, 9.7926, 9.0610



22.6972, 25.8931, 3.8016



0.7306, 0.8476, 0.1251

Inverse Universe

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



19.4025, 17.1564, 46.0049



28.6550, 23.3750, 81.2962



23.2634, 18.2296, 46.0085



8.0927, 8.3316, 10.6880



5.8783, 2.5571, 30.3207



0.2022, 0.1149, 0.9598

Previews

White Background



This preview shows how the XYZ color 36.8342, 41.4630, 18.8937 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 36.8342, 41.4630, 18.8937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

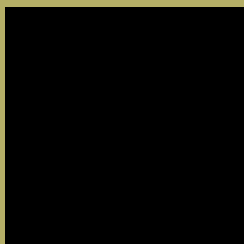
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8342, 41.4630, 18.8937

Background



This preview shows how black text looks on a background with the XYZ color 36.8342, 41.4630, 18.8937.



This preview shows how white text looks on a background with the XYZ color 36.8342, 41.4630,

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

36.8342, 41.4630, 18.8937

Protanopia

38.1371, 41.2832, 18.5288

Deuteranopia

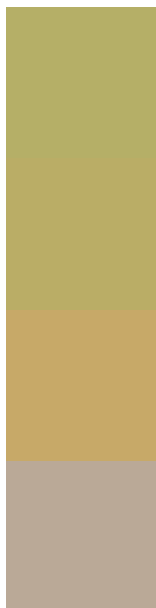
42.2994, 41.4855, 19.1427



Tritanopia

42.7592, 41.3459, 48.3747

Trichromacy



Original Color

36.8342, 41.4630, 18.8937

Protanomaly

37.5915, 41.2856, 18.5580

Deuteranomaly

40.2398, 41.5175, 18.9895

Tritanomaly

40.0236, 41.0494, 35.0920

Monochromacy



Original Color

36.8342, 41.4630, 18.8937

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

36.9073, 40.0544, 32.5741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8342, 41.4630, 18.8937 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(181, 175, 103)` looks like.

```
.text, #text, p{  
    color:rgb(181, 175, 103)  
}
```

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(181, 175, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 175, 103) }
```

Border

The CSS property to change the border of an element to XYZ 36.8342, 41.4630, 18.8937 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(181, 175, 103) }
```


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

```
.border{ border-color:rgb(181, 175, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 175, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 175, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 175, 103);  
box-shadow:4px 4px 4px 4px rgb(181, 175,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8342, 41.4630, 18.8937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 175, 103) }
```

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

```
.background{ background-color: rgb(181,  
175, 103) }
```

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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