

Converting Colors

XYZ(33.9860, 37.4061, 9.4318)

Have a look what the booklet for
XYZ(33.9860, 37.4061, 9.4318)
contains.

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Color

**XYZ(33.9860, 37.4061,
9.4318)**

Conversions

Conversions Part 1

Format	Color
Hex	B8A53A
RGB	184, 165, 58
RGB Percent	72%, 65%, 23%
CMY	0.2784, 0.3529, 0.7725
CMYK	0.00, 0.10, 0.68, 0.28
HSL	51°, 52%, 47%
HSV	51°, 68%, 72%
XYZ	33.9860, 37.4061, 9.4318
YIQ	158.4830, 45.6710, -29.2490

Conversions

Conversions Part 2

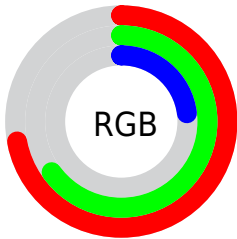
Format	Color
RYB	80, 184, 58
Decimal	12100922
CIELab	67.58, -5.37, 55.61
CIELCh	68, 55.871, 95.519
Yxy	37.4061, 0.4205, 0.4628
Android (android.graphics.Color)	4290291002 (0xFFB8A53A)
YUV	158.4830, -49.5381, 22.3784
Hunter-Lab	61.1605, -7.8411, 33.6690

Details

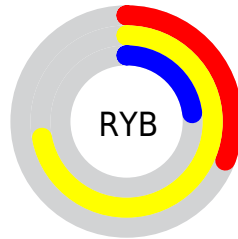
The XYZ color **33.9860, 37.4061, 9.4318** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13.0505, 9.6677, 46.5253**, and the grayscale version is **32.9237, 34.6383, 37.7211**.

A 20% lighter version of the original color is **65.4246, 71.3888, 25.3701**, and **14.9194, 16.6238, 2.4224** is the 20% darker color. If you saturate the color by 10%, you get **33.1044, 36.2630, 7.2269**, and if you desaturate by 10%, it is **35.0474, 38.6414, 12.5225**.

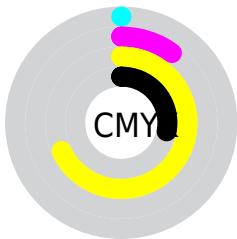
Distribution



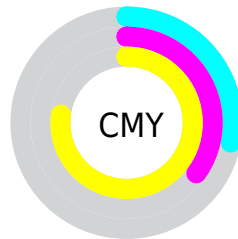
- Red (72%)
- Green (65%)
- Blue (23%)



- Red (31%)
- Yellow (72%)
- Blue (23%)



- Cyan (0%)
- Magenta (10%)
- Yellow (68%)
- Black (28%)





- Cyan (28%)
- Magenta (35%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9860, 37.4061, 9.4318 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 33.9860, 37.4061, 9.4318 by changing the saturation by 10% instead.


 33.9860, 37.4061,
9.4318


 33.9860, 37.4061,
9.4318


311.6566,
335.0654, 196.9024


 23.0457, 25.5221,
4.9232


 65.2563, 71.1969,
25.3120


 14.7481, 16.4664,
2.1443


 86.3171, 93.8725,
37.5208

 8.7280, 9.8548,
0.6420


 111.4820,
120.9141, 53.1334

 4.6199, 5.3028,
0.0000

 141.1164,
152.7060, 72.5683

 2.0584, 2.4260,
0.0000

 175.5857,
189.6327, 96.2441

 0.6665, 0.8392,
0.0000

 215.2553,

 0.0000, 0.0000,

232.0786, 124.5794

0.0000

260.4905,
280.4280, 157.9926

■ 33.9860, 37.4061,
9.4318

■ 33.9860, 37.4061,
9.4318

■ 33.1044, 36.2630,
7.2269

■ 35.0474, 38.6414,
12.5225

■ 32.3812, 35.1990,
5.8068

■ 36.3022, 39.9701,
16.5813

■ 31.7859, 34.2034,
5.0071

■ 37.7654, 41.3997,
21.6833

■ 31.6993, 34.0548,
4.9025

■ 39.4498, 42.9354,
27.8957

■ 41.3672, 44.5822,
35.2803

■ 43.5285, 46.3444,
43.8940

■ 45.9439, 48.2263,
53.7902

■ 48.6229, 50.2317,
65.0190

■ 51.5746, 52.3644,
77.6279

Harmonies

Analogous

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



42.8578, 37.4061, 11.0384



33.9860, 37.4061, 9.4318



26.7831, 37.4061, 13.0587

Triad

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



33.9860, 37.4061, 9.4318



23.7180, 37.4061, 74.9165



52.8324, 37.4061, 63.6823

Complementary

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



33.9860, 37.4061, 9.4318



13.0505, 9.6677, 46.5253

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.



46.0554, 37.4061, 92.7339



33.9860, 37.4061, 9.4318



29.1300, 37.4061, 100.8455

Square

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



33.9860, 37.4061, 9.4318



21.4996, 37.4061, 45.4574



37.1682, 37.4061, 108.4200



54.6903, 37.4061, 36.3402

Rectangle

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



33.9860, 37.4061, 9.4318



23.5869, 37.4061, 19.3657



37.1682, 37.4061, 108.4200



51.0060, 37.4061, 73.8652

Sweetspot

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



33.9869, 37.4079, 9.4326



73.9462, 79.9387, 59.8833



22.6916, 13.7813, 8.8617



15.7344, 17.0562, 12.1107



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



33.9869, 37.4079, 9.4326



59.3357, 64.7754, 11.6752



29.0596, 40.3371, 10.2576



9.6317, 10.2664, 9.5809



21.8882, 23.5528, 3.3925



0.8032, 0.8935, 0.1301

Inverse Universe

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



13.0505, 9.6677, 46.5253



19.0540, 11.5261, 83.4251



15.4206, 9.1965, 46.3094



8.6275, 8.9322, 11.3488



6.2781, 3.0159, 31.5043



0.2561, 0.1759, 1.1222

Previews

White Background



This preview shows how the XYZ color 33.9860, 37.4061, 9.4318 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 33.9860, 37.4061, 9.4318 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 33.9860, 37.4061, 9.4318

Background



This preview shows how black text looks on a background with the XYZ color 33.9860, 37.4061, 9.4318.



This preview shows how white text looks on a background with the XYZ color 33.9860, 37.4061,

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

33.9860, 37.4061, 9.4318

Protanopia

33.9860, 37.4061, 9.4318

Deuteranopia

37.9076, 37.0930, 9.5766



Tritanopia

40.4309, 37.2018, 41.1261

Trichromacy



Original Color

33.9860, 37.4061, 9.4318

Protanomaly

33.9860, 37.4061, 9.4318

Deuteranomaly

36.2397, 36.9928, 9.5053

Tritanomaly

37.2928, 36.9332, 25.2419

Monochromacy



Original Color

33.9860, 37.4061, 9.4318

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.1941, 35.1104, 23.4925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9860, 37.4061, 9.4318 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(184, 165, 58)` looks like.

```
.text, #text, p{  
    color:rgb(184, 165, 58)  
}
```

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(184, 165, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 165, 58) }
```

Border

The CSS property to change the border of an element to XYZ 33.9860, 37.4061, 9.4318 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(184, 165, 58) }
```


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

```
.border{ border-color:rgb(184, 165, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 165, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 165, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 165, 58);  
box-shadow:4px 4px 4px 4px rgb(184, 165,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9860, 37.4061, 9.4318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 165, 58) }
```

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

```
.background{ background-color: rgb(184,  
165, 58) }
```

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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