

Converting Colors

XYZ(33.1972, 37.1926, 5.4292)

Have a look what the booklet for
XYZ(33.1972, 37.1926, 5.4292)
contains.

XYZ(33.2223, 37.1006, 5.4101)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.2223, 37.1006,
5.4101)**

Conversions

Conversions Part 1

Format	Color
Hex	B8A500
RGB	184, 165, 0
RGB Percent	72%, 65%, 0%
CMY	0.2784, 0.3529, 0.9999
CMYK	0.00, 0.10, 1.00, 0.28
HSL	54°, 100%, 36%
HSV	54°, 100%, 72%
XYZ	33.2223, 37.1006, 5.4101
YIQ	151.8710, 64.2890, -47.2870

Conversions

Conversions Part 2

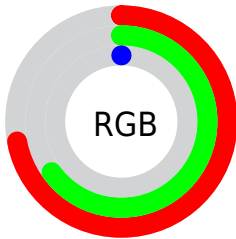
Format	Color
R _Y B	21, 184, 0
Decimal	12100864
CIE Lab	67.35, -7.07, 70.18
CIE LCh	67, 70.539, 95.751
Yxy	37.1006, 0.4387, 0.4899
Android (android.graphics.Color)	4290290944 (0xFFB8A500)
YUV	151.8710, -74.8724, 28.1771
Hunter-Lab	60.9103, -9.2337, 37.3710

Details

The XYZ color **33.2223, 37.1006, 5.4101** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **8.8849, 3.9268, 45.6367**, and the grayscale version is **30.0843, 31.6511, 34.4680**.

A 20% lighter version of the original color is **64.2059, 70.9413, 17.1465**, and **14.6215, 16.4702, 2.4084** is the 20% darker color. If you saturate the color by 10%, you get **33.2228, 37.1018, 5.4103**, and if you desaturate by 10%, it is **33.6809, 37.8378, 6.1184**.

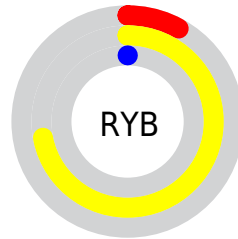
Distribution



Red (72%)

Green (65%)

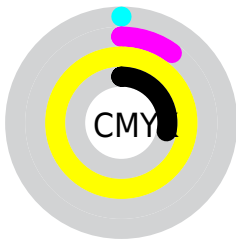
Blue (0%)



Red (8%)

Yellow (72%)

Blue (0%)

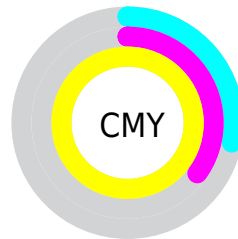


Cyan (0%)

Magenta (10%)

Yellow (100%)

Black (28%)



Cyan (28%)


Magenta (35%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2223, 37.1006, 5.4101 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 33.2223, 37.1006, 5.4101 by changing the saturation by 10% instead.


 33.2223, 37.1006,
5.4101


 33.2223, 37.1006,
5.4101


308.2975,
333.7459, 162.8034

 22.4568, 25.2854,
2.4269


 64.0748, 70.7275,
17.1497


 14.3114, 16.2898,
0.8010


 84.8926, 93.3079,
26.7431


 8.4207, 9.7295,
0.0000


 109.7918,
120.2456, 39.3771

 4.4194, 5.2200,
0.0000

 139.1378,
151.9249, 55.4701

 1.9420, 2.3769,
0.0000

 173.2961,
188.7301, 75.4407

 0.6011, 0.8140,
0.0000

 212.6319,

 0.0000, 0.0000,

231.0458, 99.7074

0.0000

257.5106,
279.2562, 128.6888

33.2223, 37.1006,
5.4101

33.2223, 37.1006,
5.4101

33.2228, 37.1018,
5.4103

33.6809, 37.8378,
6.1184

34.2496, 38.6258,
7.3854

34.9688, 39.4822,
9.4192

35.8577, 40.4147,
12.3215

36.9328, 41.4300,
16.1787

■ 38.2085, 42.5339,
21.0664

■ 39.6977, 43.7315,
27.0528

■ 41.4123, 45.0276,
34.2004

■ 43.3633, 46.4267,
42.5667

Harmonies

Analogous

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



44.4997, 37.1006, 6.8117



33.2223, 37.1006, 5.4101



24.4665, 37.1006, 8.7978

Triad

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



33.2223, 37.1006, 5.4101



20.9499, 37.1006, 86.0711



57.7932, 37.1006, 70.0823

Complementary

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



33.2223, 37.1006, 5.4101



8.8849, 3.9268, 45.6367

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.



48.8437, 37.1006, 110.4555



33.2223, 37.1006, 5.4101



27.4020, 37.1006, 122.5262

Square

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



33.2223, 37.1006, 5.4101



18.3714, 37.1006, 46.6552



37.3856, 37.1006, 133.1910



60.2286, 37.1006, 34.7237

Rectangle

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



33.2223, 37.1006, 5.4101



20.7299, 37.1006, 15.3153



37.3856, 37.1006, 133.1910



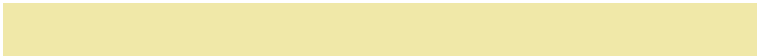
55.3689, 37.1006, 83.9726

Sweetspot

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



33.2231, 37.1024, 5.4108



71.8161, 79.1609, 48.4378



19.9070, 10.2465, 1.6615



15.2300, 16.8659, 9.4192



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.



33.2231, 37.1024, 5.4108



60.1221, 67.0501, 9.7732



24.0114, 37.8228, 6.0354



9.6688, 10.3406, 9.5932



22.9273, 25.6309, 3.7389



0.8312, 0.9495, 0.1395

Inverse Universe

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



8.8849, 3.9268, 45.6367



16.0259, 6.9579, 82.7030



11.2169, 4.7833, 45.6791



8.5937, 8.8647, 11.3376



6.1489, 2.7574, 31.4612



0.2416, 0.1469, 1.1174

Previews

White Background



This preview shows how the XYZ color 33.2223, 37.1006, 5.4101 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 33.2223, 37.1006, 5.4101 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 33.2223, 37.1006, 5.4101

Background



This preview shows how black text looks on a background with the XYZ color 33.2223, 37.1006, 5.4101.



This preview shows how white text looks on a background with the XYZ color 33.2223, 37.1006,

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

33.2223, 37.1006, 5.4101

Protanopia

33.4627, 37.2246, 5.4214

Deuteranopia

37.7560, 37.0965, 5.8798



Tritanopia

40.4309, 36.9684, 40.6020

Trichromacy



Original Color

33.2223, 37.1006, 5.4101

Protanomaly

33.4627, 37.2246, 5.4214

Deuteranomaly

36.0240, 36.9674, 5.6175

Tritanomaly

35.8420, 36.0810, 18.4399

Monochromacy



Original Color

33.2223, 37.1006, 5.4101

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.5245, 32.8695, 16.0976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2223, 37.1006, 5.4101 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 165, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 165, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.2223, 37.1006, 5.4101 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, 0) }
```


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

```
.border{ border-color:rgb(184, 165, 0) }
```

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, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 165, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 165, 0);  
box-shadow:4px 4px 4px 4px rgb(184, 165,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2223, 37.1006, 5.4101 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, 0) }
```

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

```
.background{ background-color: rgb(184,  
165, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor