

Converting Colors

XYZ(33.6670, 40.2496, 12.4201)

Have a look what the booklet for
XYZ(33.6670, 40.2496, 12.4201)
contains.

XYZ(33.7746, 40.3157, 12.4802)	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(33.7746, 40.3157,
12.4802)**

Conversions

Conversions Part 1

Format	Color
Hex	ACB04A
RGB	172, 176, 74
RGB Percent	67%, 69%, 29%
CMY	0.3255, 0.3098, 0.7098
CMYK	0.02, 0.00, 0.58, 0.31
HSL	62°, 41%, 49%
HSV	62°, 58%, 69%
XYZ	33.7746, 40.3157, 12.4802
YIQ	163.1760, 30.3580, -32.5700

Conversions

Conversions Part 2

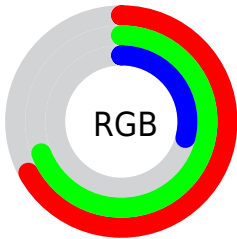
Format	Color
RYB	74, 176, 78
Decimal	11317322
CIELab	69.69, -15.22, 50.60
CIELCh	70, 52.836, 106.742
Yxy	40.3157, 0.3901, 0.4657
Android (android.graphics.Color)	4289507402 (0xFFACB04A)
YUV	163.1760, -43.9638, 7.7386
Hunter-Lab	63.4946, -16.1664, 32.7925

Details

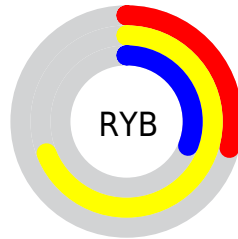
The XYZ color **33.7746, 40.3157, 12.4802** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13.4285, 9.6528, 42.2321**, and the grayscale version is **35.0881, 36.9154, 40.2009**.

A 20% lighter version of the original color is **64.6549, 75.3162, 30.8685**, and **14.6613, 18.2442, 3.3648** is the 20% darker color. If you saturate the color by 10%, you get **33.1118, 40.0346, 9.7755**, and if you desaturate by 10%, it is **34.6060, 40.6673, 16.0603**.

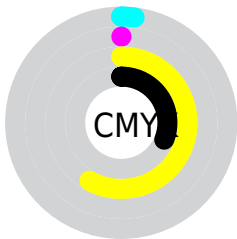
Distribution



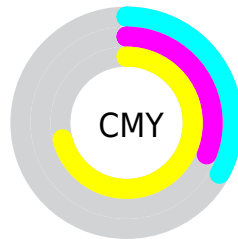
- Red (67%)
- Green (69%)
- Blue (29%)



- Red (29%)
- Yellow (69%)
- Blue (31%)



- Cyan (2%)
- Magenta (0%)
- Yellow (58%)
- Black (31%)



- Cyan (33%)
- Magenta (31%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7746, 40.3157, 12.4802 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 33.7746, 40.3157, 12.4802 by changing the saturation by 10% instead.


 33.7746, 40.3157,
12.4802


 33.7746, 40.3157,
12.4802


310.7295,
347.4524, 218.6485


 22.8826, 27.7848,
6.9451


 64.9296, 75.6440,
31.0441

 14.6270, 18.1635,
3.3499


 85.9233, 99.2102,
44.9100


 8.6427, 11.0674,
1.2759

 111.0149,
127.2236, 62.3899

 4.5641, 6.1122,
0.0419

 140.5699,
160.0686, 83.9023

 2.0259, 2.9134,
0.0000

 174.9534,
198.1295, 109.8659

 0.6485, 1.0867,
0.0000

214.5310,

 0.0000, 0.0000,

241.7909, 140.6991

0.0000

259.6679,
291.4371, 176.8204

■ 33.7746, 40.3157,
12.4802

■ 33.7746, 40.3157,
12.4802

■ 33.1118, 40.0346,
9.7755

■ 34.6060, 40.6673,
16.0603

■ 32.6006, 39.8127,
7.8687

■ 35.6157, 41.0888,
20.5795

■ 32.2251, 39.6452,
6.6732

■ 36.8161, 41.5867,
26.0986

■ 31.9587, 39.5214,
6.0474

■ 38.2176, 42.1652,
32.6726

■ 31.9086, 39.4979,
5.9421

■ 39.8298, 42.8280,
40.3524

■ 41.6619, 43.5789,
49.1856

■ 43.7223, 44.4212,
59.2172

■ 46.0192, 45.3581,
70.4895

■ 48.5601, 46.3928,
83.0430

Harmonies

Analogous

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



42.2151, 40.3157, 12.1626



33.7746, 40.3157, 12.4802



27.5476, 40.3157, 18.8871

Triad

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



33.7746, 40.3157, 12.4802



28.1187, 40.3157, 87.9015



56.6562, 40.3157, 55.6074

Complementary

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



33.7746, 40.3157, 12.4802



13.4285, 9.6528, 42.2321

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.



51.5852, 40.3157, 84.7246



33.7746, 40.3157, 12.4802



34.6700, 40.3157, 107.5418

Square

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



33.7746, 40.3157, 12.4802



24.6306, 40.3157, 58.9081



43.2535, 40.3157, 106.2009



56.3211, 40.3157, 31.6807

Rectangle

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



33.7746, 40.3157, 12.4802



25.1099, 40.3157, 27.8032



43.2535, 40.3157, 106.2009



55.4987, 40.3157, 65.2427

Sweetspot

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



33.7756, 40.3176, 12.4810



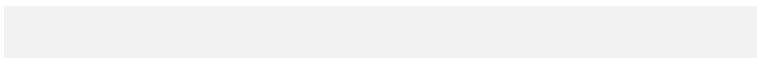
69.4900, 76.5434, 60.1054



21.8239, 15.0895, 8.2414



14.9451, 16.5410, 12.4845



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



33.7756, 40.3176, 12.4810



59.7181, 72.4621, 16.4449



24.7324, 35.6557, 12.0578



9.1634, 9.8893, 9.0784



23.4225, 28.9848, 4.3601



0.7471, 0.9172, 0.1377

Inverse Universe

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



13.4285, 9.6528, 42.2321



19.2457, 11.4252, 75.6862



19.2489, 12.6533, 42.5045



8.0718, 8.2455, 10.6724



5.8250, 2.3387, 30.2814



0.1934, 0.0788, 0.9533

Previews

White Background



This preview shows how the XYZ color 33.7746, 40.3157, 12.4802 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 33.7746, 40.3157, 12.4802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

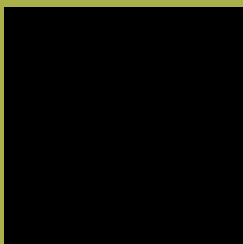
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.7746, 40.3157, 12.4802

Background



This preview shows how black text looks on a background with the XYZ color 33.7746, 40.3157, 12.4802.



This preview shows how white text looks on a background with the XYZ color 33.7746, 40.3157,

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

33.7746, 40.3157, 12.4802

Protanopia

36.5307, 40.0361, 11.9333

Deuteranopia

40.8738, 40.0924, 12.7920



Tritanopia

40.7824, 40.0697, 47.7042

Trichromacy



Original Color

33.7746, 40.3157, 12.4802

Protanomaly

35.4836, 40.0534, 12.1642

Deuteranomaly

37.9232, 39.9090, 12.7256

Tritanomaly

37.2817, 39.7344, 30.5155

Monochromacy



Original Color

33.7746, 40.3157, 12.4802

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.8253, 37.7509, 26.9766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7746, 40.3157, 12.4802 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(172, 176, 74)` looks like.

```
.text, #text, p{  
    color:rgb(172, 176, 74)  
}
```

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(172, 176, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 176, 74) }
```

Border

The CSS property to change the border of an element to XYZ 33.7746, 40.3157, 12.4802 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(172, 176, 74) }
```


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

```
.border{ border-color:rgb(172, 176, 74) }
```

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

Here you see how a box with a 4 pixel rgb(172, 176, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 176, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 176, 74);  
box-shadow:4px 4px 4px 4px rgb(172, 176,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7746, 40.3157, 12.4802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 176, 74) }
```

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

```
.background{ background-color: rgb(172,  
176, 74) }
```

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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