

Converting Colors

XYZ(33.8452, 32.8163, 11.8801)

Have a look what the booklet for
XYZ(33.8452, 32.8163, 11.8801)
contains.

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Color

**XYZ(33.8373, 32.7694,
11.9388)**

Conversions

Conversions Part 1

Format	Color
Hex	C1934F
RGB	193, 147, 79
RGB Percent	76%, 58%, 31%
CMY	0.2431, 0.4235, 0.6902
CMYK	0.00, 0.24, 0.59, 0.24
HSL	36°, 48%, 53%
HSV	36°, 59%, 76%
XYZ	33.8373, 32.7694, 11.9388
YIQ	153.0020, 49.2440, -11.3960

Conversions

Conversions Part 2

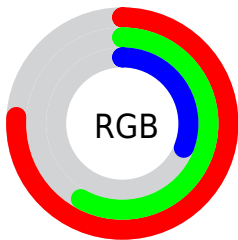
Format	Color
RYB	156, 193, 79
Decimal	12686159
CIELab	63.97, 9.65, 42.16
CIElCh	64, 43.251, 77.102
Yxy	32.7694, 0.4308, 0.4172
Android (android.graphics.Color)	4290876239 (0xFFC1934F)
YUV	153.0020, -36.4830, 35.0782
Hunter-Lab	57.2446, 5.3335, 27.7058

Details

The XYZ color **33.8373, 32.7694, 11.9388** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **20.1833, 20.1788, 53.2829**, and the grayscale version is **30.4186, 32.0028, 34.8510**.

A 20% lighter version of the original color is **65.0608, 64.0804, 30.0588**, and **14.6624, 13.8774, 3.1341** is the 20% darker color. If you saturate the color by 10%, you get **32.0642, 30.1890, 8.3708**, and if you desaturate by 10%, it is **35.8979, 35.5985, 16.6093**.

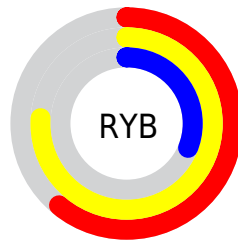
Distribution



Red (76%)

Green (58%)

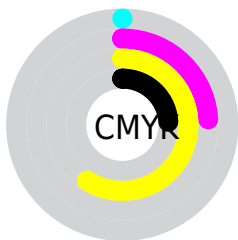
Blue (31%)



Red (61%)

Yellow (76%)

Blue (31%)

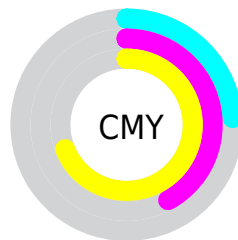


Cyan (0%)

Magenta (24%)

Yellow (59%)

Black (24%)



Cyan (24%)


Magenta (42%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8373, 32.7694, 11.9388 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 33.8373, 32.7694, 11.9388 by changing the saturation by 10% instead.


 33.8373, 32.7694,
11.9388


 33.8373, 32.7694,
11.9388


311.0047,
314.6094, 214.9632


 22.9309, 21.9499,
6.5800


 65.0265, 64.0153,
30.0463

 14.6629, 13.8201,
3.1264

 86.0401, 85.2105,
43.6321


 8.6679, 7.9956,
1.1595


 111.1535,
110.6330, 60.7973

 4.5806, 4.0921,
0.0000

 140.7320,
140.6673, 81.9604

 2.0356, 1.7252,
0.0000

 175.1411,
175.6976, 107.5401

 0.6538, 0.4399,
0.0000

214.7459,

 0.0000, 0.0000,

216.1085, 137.9547

0.0000

259.9120,
262.2843, 173.6229

■ 33.8373, 32.7694,
11.9388

■ 33.8373, 32.7694,
11.9388

■ 32.0642, 30.1890,
8.3708

■ 35.8979, 35.5985,
16.6093

■ 30.5564, 27.8421,
5.8071

■ 38.2611, 38.6811,
22.4653

■ 29.2917, 25.7183,
4.1347

■ 40.9439, 42.0275,
29.5841

■ 28.2311, 23.7993,
3.1575

■ 43.9608, 45.6461,
38.0356

■ 28.1378, 23.6287,
3.0778

■ 47.3256, 49.5447,
47.8849

■ 51.0511, 53.7305,
59.1925

■ 55.1493, 58.2107,
72.0154

■ 59.6318, 62.9920,
86.4075

■ 64.5096, 68.0809,
102.4201

Harmonies

Analogous

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



39.8276, 32.7694, 16.3029



33.8373, 32.7694, 11.9388



27.8244, 32.7694, 12.2486

Triad

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



33.8373, 32.7694, 11.9388



21.2310, 32.7694, 46.4926



40.5483, 32.7694, 63.7626

Complementary

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



33.8373, 32.7694, 11.9388



20.1833, 20.1788, 53.2829

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.



34.7227, 32.7694, 78.3541



33.8373, 32.7694, 11.9388



23.8282, 32.7694, 66.3615

Square

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



33.8373, 32.7694, 11.9388



21.0591, 32.7694, 28.6980



28.6020, 32.7694, 79.4359



44.0289, 32.7694, 43.7122

Rectangle

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



33.8373, 32.7694, 11.9388



24.5960, 32.7694, 15.0421



28.6020, 32.7694, 79.4359



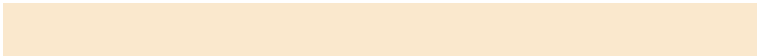
38.7672, 32.7694, 69.7174

Sweetspot

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



33.8381, 32.7710, 11.9394



79.1847, 82.2826, 69.4144



28.5866, 18.4489, 21.9628



16.6308, 17.2308, 13.8716



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



33.8381, 32.7710, 11.9394



56.5565, 52.7452, 13.4118



40.1287, 48.8329, 14.7082



10.5615, 11.0545, 10.6389



18.7952, 15.8761, 2.0738



0.8782, 0.8182, 0.1116

Inverse Universe

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



20.1833, 20.1788, 53.2829



29.9294, 28.2557, 94.2367



16.4938, 11.5417, 51.8103



9.8544, 10.4002, 12.7729



8.2820, 6.3205, 34.3401



0.4254, 0.4082, 1.5062

Previews

White Background



This preview shows how the XYZ color 33.8373, 32.7694, 11.9388 looks on a white background.

Color Contrast Check

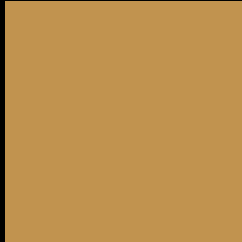
Large Text (above 18pt) WCAG AA × Fail

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 33.8373, 32.7694, 11.9388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

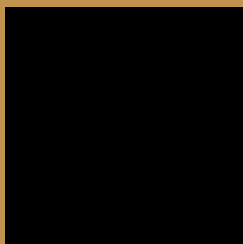
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.8373, 32.7694, 11.9388

Background



This preview shows how black text looks on a background with the XYZ color 33.8373, 32.7694, 11.9388.



This preview shows how white text looks on a background with the XYZ color 33.8373, 32.7694,

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

33.8373, 32.7694, 11.9388

Protanopia

30.0389, 32.7098, 12.7130

Deuteranopia

33.4870, 32.8207, 11.9672



Tritanopia

38.2908, 32.8094, 33.1689

Trichromacy



Original Color

33.8373, 32.7694, 11.9388

Protanomaly

31.3038, 32.6343, 12.4337

Deuteranomaly

33.7394, 32.9508, 11.9790

Tritanomaly

36.3370, 32.6716, 23.4599

Monochromacy



Original Color

33.8373, 32.7694, 11.9388

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.9810, 31.9644, 24.2755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8373, 32.7694, 11.9388 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(193, 147, 79)` looks like.

```
.text, #text, p{  
  color:rgb(193, 147, 79)  
}
```

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(193, 147, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 147, 79) }
```

Border

The CSS property to change the border of an element to XYZ 33.8373, 32.7694, 11.9388 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(193, 147, 79) }
```


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

```
.border{ border-color:rgb(193, 147, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 147, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 147, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 147, 79);  
box-shadow:4px 4px 4px 4px rgb(193, 147,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8373, 32.7694, 11.9388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 147, 79) }
```

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

```
.background{ background-color: rgb(193,  
147, 79) }
```

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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