

Converting Colors

XYZ(34.0710, 34.3014, 4.8251)

Have a look what the booklet for
XYZ(34.0710, 34.3014, 4.8251)
contains.

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Color

**XYZ(33.9932, 34.1922,
4.8081)**

Conversions

Conversions Part 1

Format	Color
Hex	C49800
RGB	196, 152, 0
RGB Percent	77%, 60%, 0%
CMY	0.2314, 0.4039, 1.0000
CMYK	0.00, 0.22, 1.00, 0.23
HSL	47°, 100%, 38%
HSV	47°, 100%, 77%
XYZ	33.9932, 34.1922, 4.8081
YIQ	147.8280, 75.0160, -37.9440

Conversions

Conversions Part 2

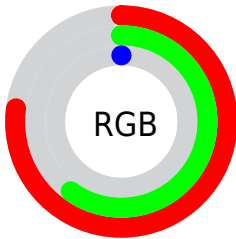
Format	Color
RYB	57, 196, 0
Decimal	12883968
CIELab	65.11, 5.28, 69.16
CIELCh	65, 69.363, 85.635
Yxy	34.1922, 0.4657, 0.4684
Android (android.graphics.Color)	4291074048 (0xFFC49800)
YUV	147.8280, -72.8792, 42.2468
Hunter-Lab	58.4741, 1.4391, 36.0567

Details

The XYZ color **33.9932, 34.1922, 4.8081** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **10.8648, 5.7874, 52.7687**, and the grayscale version is **28.3503, 29.8267, 32.4813**.

A 20% lighter version of the original color is **64.5473, 65.8970, 15.7960**, and **15.0679, 14.8211, 2.0666** is the 20% darker color. If you saturate the color by 10%, you get **33.9934, 34.1930, 4.8083**, and if you desaturate by 10%, it is **34.8442, 35.6979, 5.6978**.

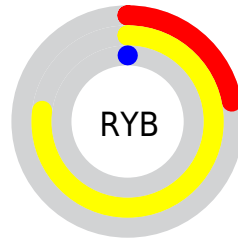
Distribution



Red (77%)

Green (60%)

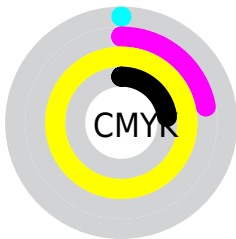
Blue (0%)



Red (22%)

Yellow (77%)

Blue (0%)

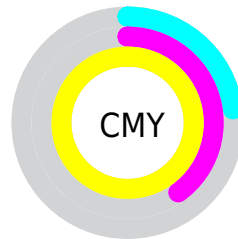


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (23%)



Cyan (23%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9932, 34.1922, 4.8081 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 33.9932, 34.1922, 4.8081 by changing the saturation by 10% instead.


 33.9932, 34.1922,
4.8081


 33.9932, 34.1922,
4.8081


311.6882,
320.9882, 156.8235


 23.0512, 23.0413,
2.0783


 65.2675, 66.2324,
15.8343


 14.7522, 14.6240,
0.6028


 86.3305, 87.8906,
24.9679

 8.7309, 8.5559,
0.0000


 111.4979,
113.8199, 37.0731


 4.6218, 4.4527,
0.0000

 141.1350,
144.4048, 52.5686

 2.0595, 1.9299,
0.0000

 175.6073,
180.0297, 71.8728

 0.6671, 0.5662,
0.0000

 215.2800,

 0.0000, 0.0000,

221.0790, 95.4044

0.0000

260.5185,
267.9370, 123.5818

33.9932, 34.1922,
4.8081

33.9932, 34.1922,
4.8081

33.9934, 34.1930,
4.8083

34.8442, 35.6979,
5.6978

35.8453, 37.3051,
7.2493

37.0414, 39.0336,
9.6941

38.4554, 40.8929,
13.1517

40.1068, 42.8913,
17.7233

■ 42.0126, 45.0361,
23.4974

■ 44.1883, 47.3337,
30.5541

■ 46.6479, 49.7904,
38.9660

■ 49.4046, 52.4116,
48.8008

Harmonies

Analogous

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



44.6848, 34.1922, 7.6695



33.9932, 34.1922, 4.8081



24.8284, 34.1922, 6.2908

Triad

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



33.9932, 34.1922, 4.8081



17.9935, 34.1922, 66.7048



51.2219, 34.1922, 78.0681

Complementary

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



33.9932, 34.1922, 4.8081



10.8648, 5.7874, 52.7687

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.



41.6054, 34.1922, 112.8310



33.9932, 34.1922, 4.8081



22.7577, 34.1922, 104.2294

Square

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



33.9932, 34.1922, 4.8081



16.7762, 34.1922, 33.1704



31.0486, 34.1922, 124.2799



55.8511, 34.1922, 41.6069

Rectangle

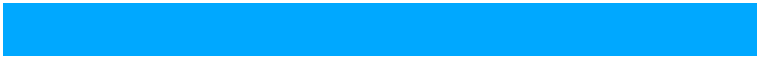
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.9932, 34.1922, 4.8081



20.5395, 34.1922, 10.3761



31.0486, 34.1922, 124.2799



48.3800, 34.1922, 90.9479

Sweetspot

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



33.9940, 34.1939, 4.8088



79.8506, 85.5432, 54.6861



23.2530, 11.9312, 3.6356



16.7191, 17.9221, 10.4812



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



33.9940, 34.1939, 4.8088



61.3790, 61.5380, 8.6430



31.1954, 45.3852, 7.1164



10.7155, 11.3624, 10.6903



21.9091, 22.1039, 3.1117



0.9950, 1.0518, 0.1506

Inverse Universe

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



10.8648, 5.7874, 52.7687



19.5251, 10.1702, 95.5417



11.3943, 4.7232, 52.5353



9.7076, 10.1066, 12.7239



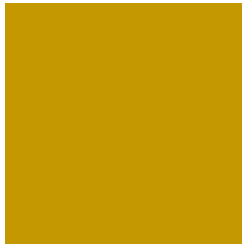
7.0349, 3.8264, 33.9244



0.3574, 0.2722, 1.4836

Previews

White Background



This preview shows how the XYZ color 33.9932, 34.1922, 4.8081 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 33.9932, 34.1922, 4.8081 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 33.9932, 34.1922, 4.8081

Background



This preview shows how black text looks on a background with the XYZ color 33.9932, 34.1922, 4.8081.



This preview shows how white text looks on a background with the XYZ color 33.9932, 34.1922,

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

33.9932, 34.1922, 4.8081

Protanopia

31.0433, 34.4019, 5.2912

Deuteranopia

34.7806, 34.1140, 5.0387



Tritanopia

40.0942, 34.1541, 34.1850

Trichromacy



Original Color

33.9932, 34.1922, 4.8081

Protanomaly

31.9289, 34.1044, 5.0723

Deuteranomaly

34.6527, 34.2885, 4.9642

Tritanomaly

36.3705, 33.5314, 15.8645

Monochromacy



Original Color

33.9932, 34.1922, 4.8081

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.2849, 30.3024, 14.9478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9932, 34.1922, 4.8081 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(196, 152, 0)` looks like.

```
.text, #text, p{  
    color:rgb(196, 152, 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(196, 152, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 152, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.9932, 34.1922, 4.8081 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(196, 152, 0) }
```


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

```
.border{ border-color:rgb(196, 152, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 152, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 152, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 152, 0);  
box-shadow:4px 4px 4px 4px rgb(196, 152,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9932, 34.1922, 4.8081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 152, 0) }
```

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

```
.background{ background-color: rgb(196,  
152, 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](#).

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