

Converting Colors

XYZ(33.9185, 30.3189, 14.5830)

Have a look what the booklet for
XYZ(33.9185, 30.3189, 14.5830)
contains.

XYZ(33.8505, 30.2868, 14.6515)	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(33.8505, 30.2868,
14.6515)**

Conversions

Conversions Part 1

Format	Color
Hex	C5885E
RGB	197, 136, 94
RGB Percent	77%, 53%, 37%
CMY	0.2275, 0.4666, 0.6314
CMYK	0.00, 0.31, 0.52, 0.23
HSL	24°, 47%, 57%
HSV	24°, 52%, 77%
XYZ	33.8505, 30.2868, 14.6515
YIQ	149.4510, 49.8380, -0.1300

Conversions

Conversions Part 2

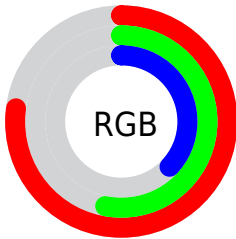
Format	Color
RYB	197, 165, 94
Decimal	12945502
CIELab	61.90, 18.64, 31.82
CIELCh	62, 36.879, 59.648
Yxy	30.2868, 0.4296, 0.3844
Android (android.graphics.Color)	4291135582 (0xFFC5885E)
YUV	149.4510, -27.3373, 41.7005
Hunter-Lab	55.0334, 13.4850, 22.7387

Details

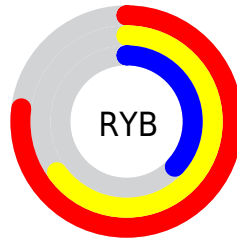
The XYZ color **33.8505, 30.2868, 14.6515** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **26.4149, 29.8522, 57.1930**, and the grayscale version is **28.8549, 30.3576, 33.0594**.

A 20% lighter version of the original color is **64.7643, 60.1312, 34.9811**, and **14.6561, 12.4363, 4.3173** is the 20% darker color. If you saturate the color by 10%, you get **31.5223, 26.8693, 10.0568**, and if you desaturate by 10%, it is **36.5846, 34.1553, 20.4950**.

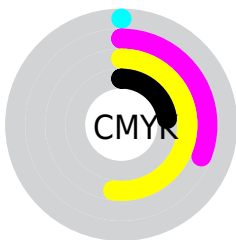
Distribution



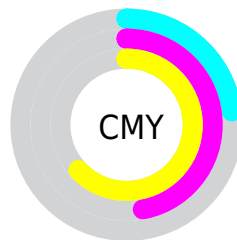
- Red (77%)
- Green (53%)
- Blue (37%)



- Red (77%)
- Yellow (65%)
- Blue (37%)



- Cyan (0%)
- Magenta (31%)
- Yellow (52%)
- Black (23%)



- Cyan (23%)
- Magenta (47%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8505, 30.2868, 14.6515 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 33.8505, 30.2868, 14.6515 by changing the saturation by 10% instead.


 33.8505, 30.2868,
14.6515


 33.8505, 30.2868,
14.6515


311.0626,
303.2390, 232.8147


 22.9411, 20.0564,
8.4313


 65.0470, 60.1154,
34.9742

 14.6705, 12.4360,
4.2804


 86.0647, 80.4824,
49.9139

 8.6733, 7.0414,
1.7804


 111.1827,
104.9971, 68.5970

 4.5841, 3.4880,
0.4150

 140.7662,
134.0438, 91.4422

 2.0376, 1.3915,
0.0000

175.1806,
168.0070, 118.8681

 0.6549, 0.2104,
0.0000

214.7912,

 0.0000, 0.0000,

207.2710, 151.2931

0.0000

259.9634,
252.2202, 189.1358

■ 33.8505, 30.2868,
14.6515

■ 33.8505, 30.2868,
14.6515

■ 31.5223, 26.8693,
10.0568

■ 36.5846, 34.1553,
20.4950

■ 29.5747, 23.8798,
6.6151

■ 39.7436, 38.4874,
27.6701

■ 27.9822, 21.2998,
4.2189

■ 43.3476, 43.3007,
36.2541

■ 26.7144, 19.1070,
2.7395

■ 47.4149, 48.6106,
46.3182

■ 25.9194, 17.6574,
2.0421

■ 51.9626, 54.4315,
57.9285

■ 57.0067, 60.7774,
71.1472

■ 62.5627, 67.6616,
86.0330

■ 68.6452, 75.0969,
102.6416

■ 72.5312, 82.0009,
106.6127

Harmonies

Analogous

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



37.8418, 30.2868, 21.2822



33.8505, 30.2868, 14.6515



28.8450, 30.2868, 12.5891

Triad

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



33.8505, 30.2868, 14.6515



20.3054, 30.2868, 32.8106



33.7382, 30.2868, 62.6670

Complementary

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



33.8505, 30.2868, 14.6515



26.4149, 29.8522, 57.1930

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.



28.7285, 30.2868, 68.2823



33.8505, 30.2868, 14.6515



21.3052, 30.2868, 48.3225

Square

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



33.8505, 30.2868, 14.6515



21.3529, 30.2868, 21.0671



24.2549, 30.2868, 62.4114



37.7720, 30.2868, 48.6962

Rectangle

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



33.8505, 30.2868, 14.6515



25.7137, 30.2868, 13.4396



24.2549, 30.2868, 62.4114



32.0952, 30.2868, 65.7458

Sweetspot

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



33.8512, 30.2883, 14.6521



81.9340, 83.1869, 75.4906



33.0126, 22.2695, 33.9224



17.2114, 17.3800, 15.3520



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.



33.8512, 30.2883, 14.6521



55.8236, 47.1693, 16.8346



42.7530, 48.0919, 17.6193



10.9831, 11.3353, 11.1718



17.1260, 11.7693, 1.3691



0.8818, 0.6990, 0.0884

Inverse Universe

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



26.4149, 29.8522, 57.1930



41.0041, 46.2224, 101.3684



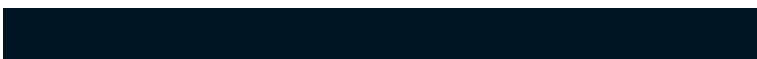
19.6749, 16.3724, 54.9463



10.5700, 11.3140, 13.5442



10.8708, 11.1354, 36.3208



0.5846, 0.6671, 1.7431

Previews

White Background



This preview shows how the XYZ color 33.8505, 30.2868, 14.6515 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 33.8505, 30.2868, 14.6515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

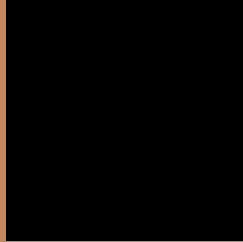
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.8505, 30.2868, 14.6515

Background



This preview shows how black text looks on a background with the XYZ color 33.8505, 30.2868, 14.6515.



This preview shows how white text looks on a background with the XYZ color 33.8505, 30.2868,

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

33.8505, 30.2868, 14.6515

Protanopia

28.2627, 30.5001, 16.2019

Deuteranopia

30.8543, 30.2590, 14.5703



Tritanopia

36.8037, 30.2762, 28.7151

Trichromacy



Original Color

33.8505, 30.2868, 14.6515

Protanomaly

29.9623, 30.2278, 15.5646

Deuteranomaly

31.8474, 30.1113, 14.4894

Tritanomaly

35.6458, 30.2119, 22.6916

Monochromacy



Original Color

33.8505, 30.2868, 14.6515

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.6616, 29.6385, 24.9263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8505, 30.2868, 14.6515 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(197, 136, 94)` looks like.

```
.text, #text, p{  
    color:rgb(197, 136, 94)  
}
```

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(197, 136, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 136, 94) }
```

Border

The CSS property to change the border of an element to XYZ 33.8505, 30.2868, 14.6515 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(197, 136, 94) }
```


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

```
.border{ border-color:rgb(197, 136, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 136, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 136, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 136, 94);  
box-shadow:4px 4px 4px 4px rgb(197, 136,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8505, 30.2868, 14.6515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 136, 94) }
```

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

```
.background{ background-color: rgb(197,  
136, 94) }
```

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