

Converting Colors

XYZ(33.5693, 28.9964, 4.9929)

Have a look what the booklet for
XYZ(33.5693, 28.9964, 4.9929)
contains.

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Color

**XYZ(33.5256, 28.9110,
4.9758)**

Conversions

Conversions Part 1

Format	Color
Hex	CE811D
RGB	206, 129, 29
RGB Percent	81%, 51%, 11%
CMY	0.1922, 0.4941, 0.8863
CMYK	0.00, 0.37, 0.86, 0.19
HSL	34°, 75%, 46%
HSV	34°, 86%, 81%
XYZ	33.5256, 28.9110, 4.9758
YIQ	140.6230, 77.9920, -14.7760

Conversions

Conversions Part 2

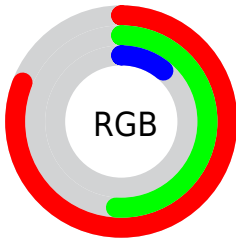
Format	Color
R_{YB}	165, 206, 29
Decimal	13533469
CIE _{Lab}	60.70, 22.66, 60.74
CIE _{LCh}	61, 64.832, 69.541
Yxy	28.9110, 0.4973, 0.4289
Android (android.graphics.Color)	4291723549 (0xFFCE811D)
YUV	140.6230, -55.0301, 57.3356
Hunter-Lab	53.7690, 17.2013, 32.1515

Details

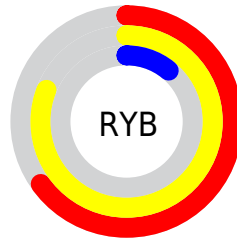
The XYZ color **33.5256, 28.9110, 4.9758** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark washed orange. A complement of this color would be **16.8011, 15.0251, 60.4066**, and the grayscale version is **25.3578, 26.6784, 29.0527**.

A 20% lighter version of the original color is **59.5682, 55.3560, 15.9327**, and **14.6500, 11.7030, 1.4868** is the 20% darker color. If you saturate the color by 10%, you get **32.2213, 26.5839, 3.6743**, and if you desaturate by 10%, it is **35.1043, 31.5161, 7.2061**.

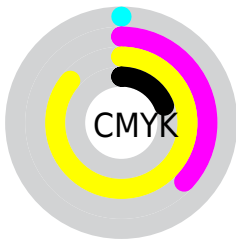
Distribution



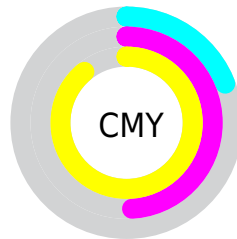
- Red (81%)
- Green (51%)
- Blue (11%)



- Red (65%)
- Yellow (81%)
- Blue (11%)



- Cyan (0%)
- Magenta (37%)
- Yellow (86%)
- Black (19%)





- Cyan (19%)
- Magenta (49%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5256, 28.9110, 4.9758 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 33.5256, 28.9110, 4.9758 by changing the saturation by 10% instead.


 33.5256, 28.9110,
4.9758


 33.5256, 28.9110,
4.9758


309.6348,
296.7948, 158.5220


 22.6906, 19.0135,
2.1746


 64.5445, 57.9357,
16.2041

 14.4846, 11.6800,
0.6596


 85.4590, 77.8316,
25.4683

 8.5424, 6.5262,
0.0000


 110.4640,
101.8291, 37.7240

 4.4987, 3.1676,
0.0000

 139.9250,
130.3127, 53.3895

 1.9879, 1.2198,
0.0000

 174.2072,
163.6666, 72.8836

 0.6272, 0.0778,
0.0000

 213.6760,

 0.0000, 0.0000,

202.2754, 96.6246

0.0000

258.6967,
246.5233, 125.0313

■ 33.5256, 28.9110,
4.9758

■ 33.5256, 28.9110,
4.9758

■ 32.2213, 26.5839,
3.6743

■ 35.1043, 31.5161,
7.2061

■ 31.7437, 25.7023,
3.2880

■ 36.9879, 34.4115,
10.5208

■ 39.2031, 37.6134,
15.0472

■ 41.7730, 41.1345,
20.8939

■ 44.7181, 44.9869,
28.1577

■ 48.0570, 49.1816,
36.9259

■ 51.8071, 53.7289,
47.2789

■ 55.9844, 58.6388,
59.2912

■ 60.6042, 63.9205,
73.0327

Harmonies

Analogous

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



41.9255, 28.9110, 10.2471



33.5256, 28.9110, 4.9758



24.8857, 28.9110, 4.3386

Triad

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



33.5256, 28.9110, 4.9758



14.4214, 28.9110, 39.7934



39.1087, 28.9110, 82.3801

Complementary

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



33.5256, 28.9110, 4.9758



16.8011, 15.0251, 60.4066

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.



30.2465, 28.9110, 102.7650



33.5256, 28.9110, 4.9758



16.8029, 28.9110, 71.1086

Square

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



33.5256, 28.9110, 4.9758



14.9455, 28.9110, 17.9113



22.2071, 28.9110, 97.8290



45.5779, 28.9110, 50.5929

Rectangle

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



33.5256, 28.9110, 4.9758



20.2545, 28.9110, 5.9376



22.2071, 28.9110, 97.8290



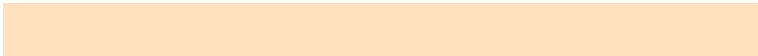
36.2448, 28.9110, 91.3785

Sweetspot

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



33.5262, 28.9125, 4.9763



77.6325, 79.4005, 59.2077



28.6345, 15.0973, 15.7749



16.1965, 16.4728, 11.5530



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.



33.5262, 28.9125, 4.9763



51.2245, 41.2290, 5.2582



45.3581, 56.1215, 9.6046



11.7294, 12.2478, 11.8253



19.6450, 16.0230, 2.0573



1.0881, 0.9759, 0.1310

Inverse Universe

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



16.8011, 15.0251, 60.4066



23.7264, 18.5727, 96.9421



12.3739, 5.7444, 58.8486



10.9965, 11.6334, 14.2363



9.1840, 7.3919, 36.8990



0.5488, 0.5313, 1.9286

Previews

White Background



This preview shows how the XYZ color 33.5256, 28.9110, 4.9758 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 33.5256, 28.9110, 4.9758 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 × Fail

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

XYZ 33.5256, 28.9110, 4.9758

Background



This preview shows how black text looks on a background with the XYZ color 33.5256, 28.9110, 4.9758.



This preview shows how white text looks on a background with the XYZ color 33.5256, 28.9110,

4.9758.

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

33.5256, 28.9110, 4.9758

Protanopia

26.2395, 28.9823, 5.7245

Deuteranopia

29.3850, 28.8375, 4.7765



Tritanopia

37.5429, 28.8668, 24.3620

Trichromacy



Original Color

33.5256, 28.9110, 4.9758

Protanomaly

28.4612, 28.5637, 5.3798

Deuteranomaly

30.8318, 28.7356, 4.8412

Tritanomaly

35.3532, 28.5115, 13.9959

Monochromacy



Original Color

33.5256, 28.9110, 4.9758

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

26.7630, 26.8108, 15.8210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5256, 28.9110, 4.9758 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(206, 129, 29)` looks like.

```
.text, #text, p{  
    color:rgb(206, 129, 29)  
}
```

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(206, 129, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 129, 29) }
```

Border

The CSS property to change the border of an element to XYZ 33.5256, 28.9110, 4.9758 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(206, 129, 29) }
```


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

```
.border{ border-color:rgb(206, 129, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 129, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 129, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 129, 29);  
box-shadow:4px 4px 4px 4px rgb(206, 129,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5256, 28.9110, 4.9758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 129, 29) }
```

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

```
.background{ background-color: rgb(206,  
129, 29) }
```

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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