

Converting Colors

XYZ(33.5122, 28.1895, 6.5334)

Have a look what the booklet for
XYZ(33.5122, 28.1895, 6.5334)
contains.

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Color

**XYZ(33.3416, 28.0108,
6.5551)**

Conversions

Conversions Part 1

Format	Color
Hex	CE7D31
RGB	206, 125, 49
RGB Percent	81%, 49%, 19%
CMY	0.1922, 0.5098, 0.8078
CMYK	0.00, 0.39, 0.76, 0.19
HSL	29°, 62%, 50%
HSV	29°, 76%, 81%
XYZ	33.3416, 28.0108, 6.5551
YIQ	140.5550, 72.6720, -6.4640

Conversions

Conversions Part 2

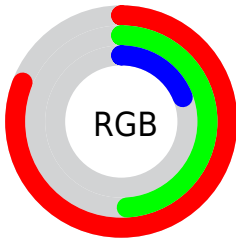
Format	Color
R_{YB}	206, 196, 49
Decimal	13532465
CIE _{Lab}	59.90, 25.48, 52.47
CIE _{LCh}	60, 58.334, 64.099
Yxy	28.0108, 0.4910, 0.4125
Android (android.graphics.Color)	4291722545 (0xFFCE7D31)
YUV	140.5550, -45.1366, 57.3953
Hunter-Lab	52.9252, 19.8315, 29.7042

Details

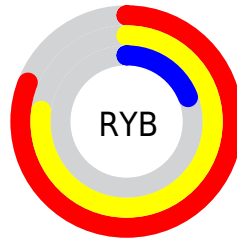
The XYZ color **33.3416, 28.0108, 6.5551** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **20.3894, 21.0734, 61.3850**, and the grayscale version is **25.2950, 26.6123, 28.9808**.

A 20% lighter version of the original color is **59.4606, 54.0209, 19.3497**, and **14.3701, 11.1431, 1.3935** is the 20% darker color. If you saturate the color by 10%, you get **31.7280, 25.3277, 4.3405**, and if you desaturate by 10%, it is **35.2990, 31.0641, 9.8643**.

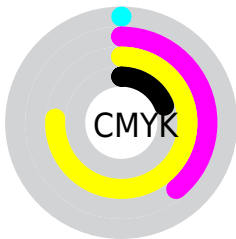
Distribution



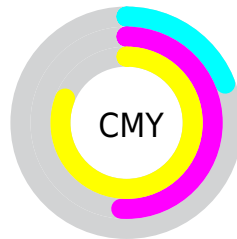
- Red (81%)
- Green (49%)
- Blue (19%)



- Red (81%)
- Yellow (77%)
- Blue (19%)



- Cyan (0%)
- Magenta (39%)
- Yellow (76%)
- Black (19%)





- Cyan (19%)
- Magenta (51%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3416, 28.0108, 6.5551 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 33.3416, 28.0108, 6.5551 by changing the saturation by 10% instead.


 33.3416, 28.0108,
6.5551


 33.3416, 28.0108,
6.5551


308.8240,
292.5185, 173.4022


 22.5487, 18.3338,
3.1113

 64.2596, 56.5017,
19.5698

 14.3795, 11.1899,
1.1517


 85.1155, 76.0844,
29.9778

 8.4686, 6.1947,
0.0000


 110.0564, 99.7377,
43.5442

 4.4505, 2.9638,
0.0000

 139.4477,
127.8461, 60.6877

 1.9600, 1.1129,
0.0000

 173.6547,
160.7940, 81.8266

 0.6114, 0.0000,
0.0000

 213.0429,

 0.0000, 0.0000,

198.9658, 107.3797

0.0000

257.9776,
242.7458, 137.7653

■ 33.3416, 28.0108,
6.5551

■ 33.3416, 28.0108,
6.5551

■ 31.7280, 25.3277,
4.3405

■ 35.2990, 31.0641,
9.8643

■ 30.4215, 22.9895,
3.0581

■ 37.6266, 34.5016,
14.3945

■ 29.9843, 22.1836,
2.7015

■ 40.3498, 38.3412,
20.2559

■ 43.4908, 42.5980,
27.5461

■ 47.0699, 47.2864,
36.3531

■ 51.1060, 52.4198,
46.7582

■ 55.6166, 58.0110,
58.8364

■ 60.6185, 64.0721,
72.6582

■ 66.1272, 70.6148,
88.2899

Harmonies

Analogous

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



40.2435, 28.0108, 12.8714



33.3416, 28.0108, 6.5551



25.6184, 28.0108, 5.2243

Triad

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



33.3416, 28.0108, 6.5551



14.7949, 28.0108, 33.5081



35.4323, 28.0108, 78.2748

Complementary

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



33.3416, 28.0108, 6.5551



20.3894, 21.0734, 61.3850

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.



27.6544, 28.0108, 91.9513



33.3416, 28.0108, 6.5551



16.4859, 28.0108, 59.5554

Square

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



33.3416, 28.0108, 6.5551



15.7574, 28.0108, 15.9265



20.8744, 28.0108, 83.8676



41.5991, 28.0108, 52.0101

Rectangle

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



33.3416, 28.0108, 6.5551



21.2215, 28.0108, 6.3624



20.8744, 28.0108, 83.8676



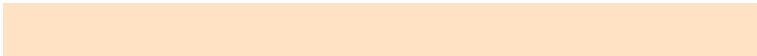
32.8720, 28.0108, 84.9365

Sweetspot

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



33.3422, 28.0123, 6.5556



78.0995, 78.9730, 63.5607



30.5890, 16.9334, 22.8168



16.2276, 16.2747, 12.3655



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.



33.3422, 28.0123, 6.5556



50.0983, 38.7299, 5.6431



47.4543, 56.2364, 11.2596



11.6530, 12.0950, 11.7998



18.5599, 13.8527, 1.6956



1.0334, 0.8664, 0.1128

Inverse Universe

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



20.3894, 21.0734, 61.3850



28.1741, 26.9454, 98.3238



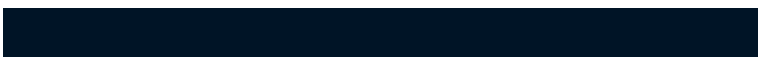
13.6183, 7.5314, 59.1280



11.0724, 11.7852, 14.2616



10.1487, 9.3215, 37.2206



0.5994, 0.6325, 1.9454

Previews

White Background



This preview shows how the XYZ color 33.3416, 28.0108, 6.5551 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 33.3416, 28.0108, 6.5551 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 33.3416, 28.0108, 6.5551

Background



This preview shows how black text looks on a background with the XYZ color 33.3416, 28.0108, 6.5551.



This preview shows how white text looks on a background with the XYZ color 33.3416, 28.0108,

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

33.3416, 28.0108, 6.5551

Protanopia

25.6915, 28.1985, 7.5788

Deuteranopia

28.4754, 27.9045, 6.3679



Tritanopia

36.7055, 27.9306, 23.1952

Trichromacy



Original Color

33.3416, 28.0108, 6.5551

Protanomaly

28.0684, 27.8899, 7.1527

Deuteranomaly

30.1159, 27.9195, 6.3865

Tritanomaly

35.2156, 27.8701, 15.0787

Monochromacy



Original Color

33.3416, 28.0108, 6.5551

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

26.8878, 26.4100, 17.8679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3416, 28.0108, 6.5551 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, 125, 49)` looks like.

```
.text, #text, p{  
    color:rgb(206, 125, 49)  
}
```

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, 125, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 125, 49) }
```

Border

The CSS property to change the border of an element to XYZ 33.3416, 28.0108, 6.5551 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, 125, 49) }
```


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

```
.border{ border-color:rgb(206, 125, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 125, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 125, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 125, 49);  
box-shadow:4px 4px 4px 4px rgb(206, 125,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3416, 28.0108, 6.5551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 125, 49) }
```

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

```
.background{ background-color: rgb(206,  
125, 49) }
```

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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