

Converting Colors

XYZ(31.5443, 27.1834, 7.5573)

Have a look what the booklet for
XYZ(31.5443, 27.1834, 7.5573)
contains.

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Color

**XYZ(31.5133, 27.2330,
7.5985)**

Conversions

Conversions Part 1

Format	Color
Hex	C67E3A
RGB	198, 126, 58
RGB Percent	78%, 49%, 23%
CMY	0.2235, 0.5059, 0.7725
CMYK	0.00, 0.36, 0.71, 0.22
HSL	29°, 55%, 50%
HSV	29°, 71%, 78%
XYZ	31.5133, 27.2330, 7.5985
YIQ	139.7760, 64.7400, -5.8840

Conversions

Conversions Part 2

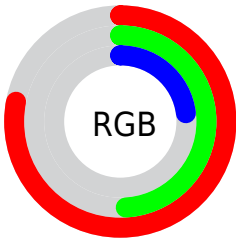
Format	Color
R_{YB}	198, 190, 58
Decimal	13008442
CIE _{Lab}	59.19, 21.97, 47.30
CIE _{LCh}	59, 52.149, 65.083
Yxy	27.2330, 0.4750, 0.4105
Android (android.graphics.Color)	4291198522 (0xFFC67E3A)
YUV	139.7760, -40.3156, 51.0624
Hunter-Lab	52.1852, 16.4673, 27.8967

Details

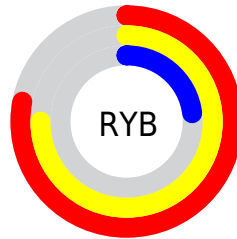
The XYZ color **31.5133, 27.2330, 7.5985** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **19.9200, 20.9408, 56.4179**, and the grayscale version is **24.9749, 26.2755, 28.6141**.

A 20% lighter version of the original color is **60.0669, 54.5829, 21.5570**, and **13.3233, 10.8055, 1.4983** is the 20% darker color. If you saturate the color by 10%, you get **29.8668, 24.5971, 5.0244**, and if you desaturate by 10%, it is **33.4873, 30.2142, 11.2374**.

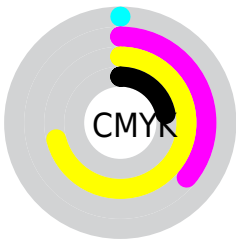
Distribution



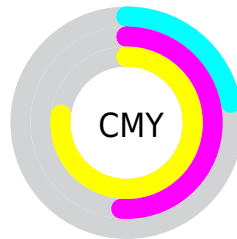
- Red (78%)
- Green (49%)
- Blue (23%)



- Red (78%)
- Yellow (75%)
- Blue (23%)



- Cyan (0%)
- Magenta (36%)
- Yellow (71%)
- Black (22%)





- Cyan (22%)
- Magenta (51%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5133, 27.2330, 7.5985 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 31.5133, 27.2330, 7.5985 by changing the saturation by 10% instead.


 31.5133, 27.2330,
7.5985


 31.5133, 27.2330,
7.5985


300.6810,
288.7835, 182.3634

 21.1438, 17.7483,
3.7551


 61.4177, 55.2575,
21.7005


 13.3422, 10.7694,
1.4920


 81.6832, 74.5661,
32.7962


 7.7432, 5.9120,
0.2119


 105.9782, 97.9182,
47.1464

 3.9815, 2.7916,
0.0000

 134.6678,
125.6980, 65.1695

 1.6917, 1.0239,
0.0000

 168.1176,
158.2901, 87.2843

 0.4511, 0.0000,
0.0000

 206.6928,

 0.0000, 0.0000,

196.0788, 113.9092

0.0000

250.7588,
239.4484, 145.4627

■ 31.5133, 27.2330,
7.5985

■ 31.5133, 27.2330,
7.5985

■ 29.8668, 24.5971,
5.0244

■ 33.4873, 30.2142,
11.2374

■ 28.5182, 22.2850,
3.3880

■ 35.8104, 33.5521,
16.0457

■ 27.4877, 20.4041,
2.4896

■ 38.5044, 37.2622,
22.1166

■ 41.5885, 41.3578,
29.5336

■ 45.0801, 45.8513,
38.3731

■ 48.9958, 50.7545,
48.7055

■ 53.3510, 56.0787,
60.5965

■ 58.1602, 61.8345,
74.1079

■ 63.4375, 68.0322,
89.2982

Harmonies

Analogous

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



37.5145, 27.2330, 13.4734



31.5133, 27.2330, 7.5985



24.7928, 27.2330, 6.3828

Triad

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



31.5133, 27.2330, 7.5985



15.3265, 27.2330, 32.9369



33.7505, 27.2330, 69.6330

Complementary

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



31.5133, 27.2330, 7.5985



19.9200, 20.9408, 56.4179

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.



27.0070, 27.2330, 81.4859



31.5133, 27.2330, 7.5985



16.9465, 27.2330, 55.3418

Square

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



31.5133, 27.2330, 7.5985



16.1255, 27.2330, 16.9866



20.9687, 27.2330, 75.3859



38.9502, 27.2330, 47.4279

Rectangle

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



31.5133, 27.2330, 7.5985



20.9403, 27.2330, 7.6162



20.9687, 27.2330, 75.3859



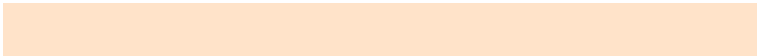
31.5507, 27.2330, 75.3044

Sweetspot

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



31.5139, 27.2344, 7.5990



79.4313, 80.6895, 66.9244



28.8534, 16.6527, 22.9303



16.6174, 16.7807, 13.3392



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.



31.5139, 27.2344, 7.5990



51.4971, 41.2080, 7.0947



43.7170, 51.6406, 11.6667



11.0520, 11.4731, 11.1948



17.9611, 13.4393, 1.6474



0.9229, 0.7813, 0.1022

Inverse Universe

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



19.9200, 20.9408, 56.4179



29.7192, 29.3582, 98.7081



13.5715, 8.2437, 54.3017



10.5002, 11.1744, 13.5209



9.7933, 8.9806, 35.9616



0.5360, 0.5699, 1.7269

Previews

White Background



This preview shows how the XYZ color 31.5133, 27.2330, 7.5985 looks on a white background.

Color Contrast Check

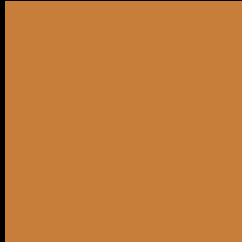
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.5133, 27.2330, 7.5985 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 31.5133, 27.2330, 7.5985

Background



This preview shows how black text looks on a background with the XYZ color 31.5133, 27.2330, 7.5985.



This preview shows how white text looks on a background with the XYZ color 31.5133, 27.2330,

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

31.5133, 27.2330, 7.5985

Protanopia

25.0177, 27.3747, 8.6679

Deuteranopia

27.8538, 27.3491, 7.4253



Tritanopia

34.7847, 27.2825, 23.5114

Trichromacy



Original Color

31.5133, 27.2330, 7.5985

Protanomaly

27.0215, 27.1125, 8.2239

Deuteranomaly

28.9727, 27.1023, 7.4456

Tritanomaly

33.4452, 27.2959, 16.0762

Monochromacy



Original Color

31.5133, 27.2330, 7.5985

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

26.1764, 26.0308, 18.3967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5133, 27.2330, 7.5985 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(198, 126, 58)` looks like.

```
.text, #text, p{  
    color:rgb(198, 126, 58)  
}
```

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(198, 126, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 126, 58) }
```

Border

The CSS property to change the border of an element to XYZ 31.5133, 27.2330, 7.5985 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(198, 126, 58) }
```


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

```
.border{ border-color:rgb(198, 126, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 126, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 126, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 126, 58);  
box-shadow:4px 4px 4px 4px rgb(198, 126,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5133, 27.2330, 7.5985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 126, 58) }
```

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

```
.background{ background-color: rgb(198,  
126, 58) }
```

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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