

Converting Colors

XYZ(33.3317, 30.6843, 7.6195)

Have a look what the booklet for
XYZ(33.3317, 30.6843, 7.6195)
contains.

XYZ(33.3075, 30.5854, 7.6381)	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(33.3075, 30.5854,
7.6381)**

Conversions

Conversions Part 1

Format	Color
Hex	C78A36
RGB	199, 138, 54
RGB Percent	78%, 54%, 21%
CMY	0.2196, 0.4588, 0.7882
CMYK	0.00, 0.31, 0.73, 0.22
HSL	35°, 57%, 50%
HSV	35°, 73%, 78%
XYZ	33.3075, 30.5854, 7.6381
YIQ	146.6630, 63.3200, -13.1920

Conversions

Conversions Part 2

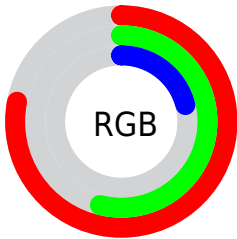
Format	Color
R _Y B	159, 199, 54
Decimal	13077046
CIE Lab	62.16, 15.63, 52.27
CIE LCh	62, 54.554, 73.351
Yxy	30.5854, 0.4656, 0.4276
Android (android.graphics.Color)	4291267126 (0xFFC78A36)
YUV	146.6630, -45.6829, 45.8995
Hunter-Lab	55.3041, 10.7215, 30.5242

Details

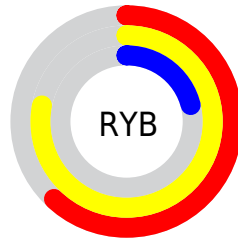
The XYZ color **33.3075, 30.5854, 7.6381** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **17.9605, 17.1685, 56.3996**, and the grayscale version is **27.7590, 29.2046, 31.8038**.

A 20% lighter version of the original color is **62.4206, 59.5415, 21.5673**, and **14.3049, 12.5549, 1.6694** is the 20% darker color. If you saturate the color by 10%, you get **31.7773, 28.1263, 5.2752**, and if you desaturate by 10%, it is **35.1228, 33.3092, 11.0395**.

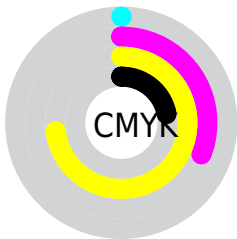
Distribution



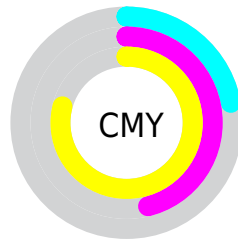
- Red (78%)
- Green (54%)
- Blue (21%)



- Red (62%)
- Yellow (78%)
- Blue (21%)



- Cyan (0%)
- Magenta (31%)
- Yellow (73%)
- Black (22%)





- Cyan (22%)
- Magenta (46%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3075, 30.5854, 7.6381 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 33.3075, 30.5854, 7.6381 by changing the saturation by 10% instead.


 33.3075, 30.5854,
7.6381


 33.3075, 30.5854,
7.6381


308.6736,
304.6237, 182.6925

 22.5225, 20.2833,
3.7798


 64.2068, 60.5867,
21.7802

 14.3601, 12.6012,
1.5054


 85.0518, 81.0548,
32.9011

 8.4549, 7.1545,
0.2219


 109.9808,
105.6803, 47.2800

 4.4416, 3.5589,
0.0000

 139.3591,
134.8477, 65.3353

 1.9549, 1.4300,
0.0000

 173.5523,
168.9413, 87.4857

 0.6084, 0.2387,
0.0000

 212.9255,

 0.0000, 0.0000,

208.3456, 114.1497

0.0000

257.8441,
253.4449, 145.7458

■ 33.3075, 30.5854,
7.6381

■ 33.3075, 30.5854,
7.6381

■ 31.7773, 28.1263,
5.2752

■ 35.1228, 33.3092,
11.0395

■ 30.5031, 25.9132,
3.8168

■ 37.2439, 36.3054,
15.5879

■ 29.7168, 24.4695,
3.1568

■ 39.6916, 39.5867,
21.3799

■ 42.4840, 43.1633,
28.5013

■ 45.6375, 47.0449,
37.0301

■ 49.1676, 51.2403,
47.0384

■ 53.0886, 55.7581,
58.5933

■ 57.4140, 60.6065,
71.7575

■ 62.1566, 65.7932,
86.5905

Harmonies

Analogous

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



40.5971, 30.5854, 12.5382



33.3075, 30.5854, 7.6381



25.9297, 30.5854, 7.4146

Triad

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



33.3075, 30.5854, 7.6381



17.3806, 30.5854, 43.5427



39.8832, 30.5854, 72.2224

Complementary

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



33.3075, 30.5854, 7.6381



17.9605, 17.1685, 56.3996

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.



32.4552, 30.5854, 90.1941



33.3075, 30.5854, 7.6381



19.9626, 30.5854, 69.4996

Square

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



33.3075, 30.5854, 7.6381



17.5303, 30.5854, 23.0061



25.2090, 30.5854, 89.0286



44.8095, 30.5854, 46.2869

Rectangle

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



33.3075, 30.5854, 7.6381



21.9768, 30.5854, 9.6537



25.2090, 30.5854, 89.0286



37.5467, 30.5854, 79.8026

Sweetspot

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



33.3082, 30.5869, 7.6387



80.2255, 82.7555, 65.7171



28.0735, 16.0611, 18.3991



16.8304, 17.2995, 13.1243



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.



33.3082, 30.5869, 7.6387



54.3802, 47.0978, 7.6745



42.1581, 51.9743, 11.3004



11.1356, 11.6404, 11.2227



19.1969, 15.9110, 2.0593



0.9795, 0.8944, 0.1210

Inverse Universe

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



17.9605, 17.1685, 56.3996



26.2034, 22.5887, 97.5867



13.7209, 7.8410, 54.8227



10.4172, 11.0085, 13.4933



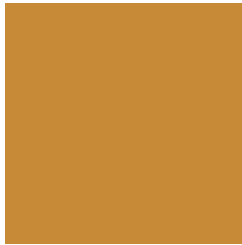
8.7355, 6.8650, 35.6090



0.4849, 0.4677, 1.7099

Previews

White Background



This preview shows how the XYZ color 33.3075, 30.5854, 7.6381 looks on a white background.

Color Contrast Check

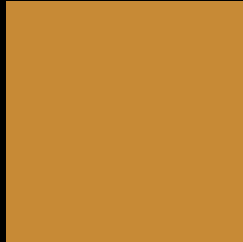
Large Text (above 18pt) WCAG AA × Fail

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 33.3075, 30.5854, 7.6381 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 33.3075, 30.5854, 7.6381

Background



This preview shows how black text looks on a background with the XYZ color 33.3075, 30.5854, 7.6381.



This preview shows how white text looks on a background with the XYZ color 33.3075, 30.5854,

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

33.3075, 30.5854, 7.6381

Protanopia

27.9788, 30.7635, 8.4663

Deuteranopia

31.1813, 30.5842, 7.5087



Tritanopia

37.4123, 30.4020, 28.3224

Trichromacy



Original Color

33.3075, 30.5854, 7.6381

Protanomaly

29.6078, 30.4369, 8.1853

Deuteranomaly

31.9057, 30.5133, 7.5762

Tritanomaly

35.3152, 30.1418, 18.1440

Monochromacy



Original Color

33.3075, 30.5854, 7.6381

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.6798, 29.2458, 19.7562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3075, 30.5854, 7.6381 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(199, 138, 54)` looks like.

```
.text, #text, p{  
    color:rgb(199, 138, 54)  
}
```

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(199, 138, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 138, 54) }
```

Border

The CSS property to change the border of an element to XYZ 33.3075, 30.5854, 7.6381 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(199, 138, 54) }
```


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

```
.border{ border-color:rgb(199, 138, 54) }
```

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

Here you see how a box with a 4 pixel rgb(199, 138, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 138, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 138, 54);  
box-shadow:4px 4px 4px 4px rgb(199, 138,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3075, 30.5854, 7.6381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 138, 54) }
```

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

```
.background{ background-color: rgb(199,  
138, 54) }
```

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