

Converting Colors

XYZ(33.3905, 30.1633, 10.0660)

Have a look what the booklet for
XYZ(33.3905, 30.1633, 10.0660)
contains.

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Color

**XYZ(33.4947, 30.2054,
10.0261)**

Conversions

Conversions Part 1

Format	Color
Hex	C78847
RGB	199, 136, 71
RGB Percent	78%, 53%, 28%
CMY	0.2196, 0.4666, 0.7216
CMYK	0.00, 0.32, 0.64, 0.22
HSL	30°, 53%, 53%
HSV	30°, 64%, 78%
XYZ	33.4947, 30.2054, 10.0261
YIQ	147.4270, 58.4130, -6.8590

Conversions

Conversions Part 2

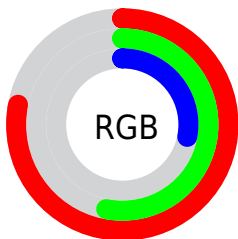
Format	Color
RYB	195, 199, 71
Decimal	13076551
CIELab	61.83, 17.69, 43.88
CIELCh	62, 47.310, 68.042
Yxy	30.2054, 0.4543, 0.4097
Android (android.graphics.Color)	4291266631 (0xFFC78847)
YUV	147.4270, -37.6785, 45.2295
Hunter-Lab	54.9594, 12.6067, 27.6555

Details

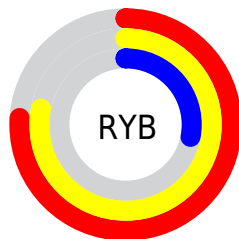
The XYZ color **33.4947, 30.2054, 10.0261** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **21.4319, 22.5122, 57.2482**, and the grayscale version is **28.0452, 29.5058, 32.1318**.

A 20% lighter version of the original color is **62.9504, 59.0603, 26.4943**, and **14.4571, 12.3762, 2.3859** is the 20% darker color. If you saturate the color by 10%, you get **31.6408, 27.3579, 6.7567**, and if you desaturate by 10%, it is **35.6851, 33.3917, 14.4398**.

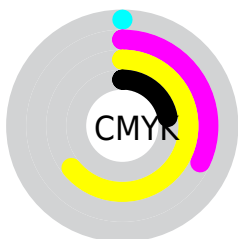
Distribution



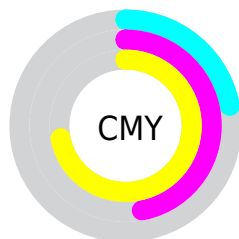
- Red (78%)
- Green (53%)
- Blue (28%)



- Red (76%)
- Yellow (78%)
- Blue (28%)



- Cyan (0%)
- Magenta (32%)
- Yellow (64%)
- Black (22%)



- Cyan (22%)
- Magenta (47%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4947, 30.2054, 10.0261 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 33.4947, 30.2054, 10.0261 by changing the saturation by 10% instead.

33.4947, 30.2054,
10.0261

33.4947, 30.2054,
10.0261

309.4987,
302.8607, 201.3498

22.6667, 19.9945,
5.3104

64.4966, 59.9869,
26.4532

14.4670, 12.3911,
2.3686

85.4013, 80.3262,
39.0016

8.5300, 7.0106,
0.7693

110.3956,
104.8106, 54.9981

4.4906, 3.4687,
0.0000

139.8449,
133.8243, 74.8612

1.9832, 1.3811,
0.0000

174.1145,
167.7518, 99.0094

0.6245, 0.2027,
0.0000

213.5697,

0.0000, 0.0000,

206.9774, 127.8612

0.0000

258.5760,
251.8856, 161.8351

■ 33.4947, 30.2054,
10.0261

■ 33.4947, 30.2054,
10.0261

■ 31.6408, 27.3579,
6.7567

■ 35.6851, 33.3917,
14.4398

■ 30.0968, 24.8295,
4.5166

■ 38.2317, 36.9260,
20.0942

■ 28.8339, 22.6042,
3.1692

■ 41.1546, 40.8227,
27.0774

■ 28.2128, 21.4615,
2.6555

■ 44.4718, 45.0938,
35.4689

■ 48.1999, 49.7505,
45.3419

■ 52.3545, 54.8037,
56.7645

■ 56.9502, 60.2635,
69.8004

■ 62.0010, 66.1399,
84.5098

■ 67.5201, 72.4421,
100.9500

Harmonies

Analogous

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



39.3766, 30.2054, 15.7726



33.4947, 30.2054, 10.0261



27.0434, 30.2054, 9.0702

Triad

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



33.4947, 30.2054, 10.0261



18.2840, 30.2054, 37.9989



36.8634, 30.2054, 68.5941

Complementary

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



33.4947, 30.2054, 10.0261



21.4319, 22.5122, 57.2482

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.



30.4423, 30.2054, 80.7539



33.4947, 30.2054, 10.0261



20.1668, 30.2054, 59.3187

Square

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



33.4947, 30.2054, 10.0261



18.8536, 30.2054, 21.5209



24.4029, 30.2054, 76.8486



41.5117, 30.2054, 47.6856

Rectangle

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



33.4947, 30.2054, 10.0261



23.3695, 30.2054, 10.7496



24.4029, 30.2054, 76.8486



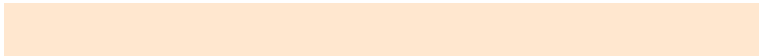
34.8062, 30.2054, 74.1338

Sweetspot

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



33.4954, 30.2069, 10.0267



81.0670, 82.9819, 70.4879



30.1796, 18.3981, 24.8825



16.9526, 17.2610, 14.0369



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.



33.4954, 30.2069, 10.0267



54.3099, 46.1511, 10.1359



45.1138, 53.4436, 13.8995



11.0716, 11.5124, 11.2013



18.2294, 13.9760, 1.7368



0.9356, 0.8065, 0.1064

Inverse Universe

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



21.4319, 22.5122, 57.2482



31.6015, 31.6763, 99.0563



15.1608, 9.9699, 55.1579



10.4805, 11.1350, 13.5144



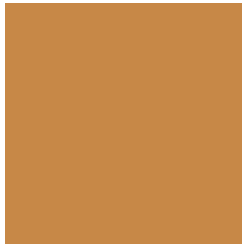
9.5208, 8.4356, 35.8708



0.5233, 0.5443, 1.7226

Previews

White Background



This preview shows how the XYZ color 33.4947, 30.2054, 10.0261 looks on a white background.

Color Contrast Check

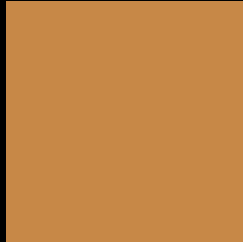
Large Text (above 18pt) WCAG AA × Fail

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 33.4947, 30.2054, 10.0261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

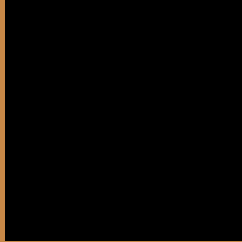
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.4947, 30.2054, 10.0261

Background



This preview shows how black text looks on a background with the XYZ color 33.4947, 30.2054, 10.0261.



This preview shows how white text looks on a background with the XYZ color 33.4947, 30.2054,

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

33.4947, 30.2054, 10.0261

Protanopia

27.6934, 30.3200, 11.0494

Deuteranopia

30.9042, 30.3889, 9.8670



Tritanopia

37.2085, 30.1107, 27.8956

Trichromacy



Original Color

33.4947, 30.2054, 10.0261

Protanomaly

29.4929, 30.0923, 10.7325

Deuteranomaly

31.7188, 30.1455, 9.9413

Tritanomaly

35.5107, 30.0041, 19.8393

Monochromacy



Original Color

33.4947, 30.2054, 10.0261

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.8781, 29.0838, 21.5445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4947, 30.2054, 10.0261 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, 136, 71)` looks like.

```
.text, #text, p{  
    color:rgb(199, 136, 71)  
}
```

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, 136, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 136, 71) }
```

Border

The CSS property to change the border of an element to XYZ 33.4947, 30.2054, 10.0261 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, 136, 71) }
```


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

```
.border{ border-color:rgb(199, 136, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 136, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 136, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 136, 71);  
box-shadow:4px 4px 4px 4px rgb(199, 136,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4947, 30.2054, 10.0261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 136, 71) }
```

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

```
.background{ background-color: rgb(199,  
136, 71) }
```

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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