

Converting Colors

XYZ(34.4598, 31.2095, 13.2036)

Have a look what the booklet for
XYZ(34.4598, 31.2095, 13.2036)
contains.

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Color

**XYZ(34.5061, 31.2955,
13.2388)**

Conversions

Conversions Part 1

Format	Color
Hex	C78B57
RGB	199, 139, 87
RGB Percent	78%, 55%, 34%
CMY	0.2196, 0.4549, 0.6588
CMYK	0.00, 0.30, 0.56, 0.22
HSL	28°, 50%, 56%
HSV	28°, 56%, 78%
XYZ	34.5061, 31.2955, 13.2388
YIQ	151.0120, 52.4520, -3.4520

Conversions

Conversions Part 2

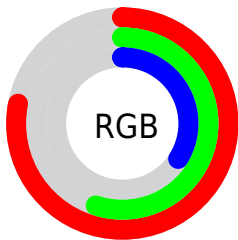
Format	Color
R_{YB}	199, 184, 87
Decimal	13077335
CIE _{Lab}	62.76, 17.22, 36.71
CIE _{LCh}	63, 40.545, 64.864
Yxy	31.2955, 0.4366, 0.3959
Android (android.graphics.Color)	4291267415 (0xFFC78B57)
YUV	151.0120, -31.5579, 42.0855
Hunter-Lab	55.9424, 12.2023, 25.1287

Details

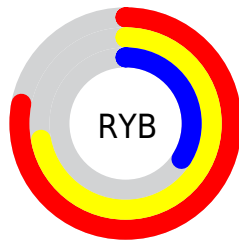
The XYZ color **34.5061, 31.2955, 13.2388** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **24.6724, 27.0159, 57.9467**, and the grayscale version is **29.5364, 31.0746, 33.8402**.

A 20% lighter version of the original color is **64.8974, 61.2349, 32.4438**, and **15.0939, 13.0420, 3.6413** is the 20% darker color. If you saturate the color by 10%, you get **32.3336, 28.0772, 9.0415**, and if you desaturate by 10%, it is **37.0547, 34.9076, 18.6676**.

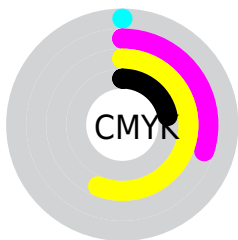
Distribution



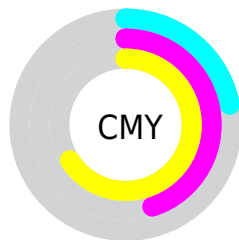
- Red (78%)
- Green (55%)
- Blue (34%)



- Red (78%)
- Yellow (72%)
- Blue (34%)



- Cyan (0%)
- Magenta (30%)
- Yellow (56%)
- Black (22%)





- Cyan (22%)
- Magenta (45%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.5061, 31.2955, 13.2388 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 34.5061, 31.2955, 13.2388 by changing the saturation by 10% instead.


 34.5061, 31.2955,
13.2388


 34.5061, 31.2955,
13.2388


313.9292,
307.8974, 223.7038


 23.4474, 20.8240,
7.4605


 66.0590, 61.7050,
32.4296

 15.0467, 12.9954,
3.6690


 87.2839, 82.4118,
46.6792


 8.9387, 7.4254,
1.4456


 112.6283,
107.2991, 64.5897

 4.7580, 3.7295,
0.1769

 142.4574,
136.7513, 86.5795

 2.1393, 1.5234,
0.0000

 177.1368,
171.1528, 113.0673

 0.7104, 0.3051,
0.0000

217.0316,

 0.0000, 0.0000,

210.8881, 144.4716

0.0000

262.5073,
256.3415, 181.2109

■ 34.5061, 31.2955,
13.2388

■ 34.5061, 31.2955,
13.2388

■ 32.3336, 28.0772,
9.0415

■ 37.0547, 34.9076,
18.6676

■ 30.5117, 25.2319,
5.9728

■ 39.9982, 38.9237,
25.4158

■ 29.0148, 22.7434,
3.9160

■ 43.3562, 43.3594,
33.5652

■ 27.8100, 20.5910,
2.7213

■ 47.1466, 48.2279,
43.1904

■ 27.4151, 19.8661,
2.3896

■ 51.3860, 53.5418,
54.3606

■ 56.0900, 59.3129,
67.1407

■ 61.2735, 65.5527,
81.5919

■ 66.9506, 72.2724,
97.7721

■ 71.2953, 78.7466,
106.0497

Harmonies

Analogous

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



39.3754, 31.2955, 19.4357



34.5061, 31.2955, 13.2388



28.8508, 31.2955, 11.8129

Triad

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



34.5061, 31.2955, 13.2388



20.3395, 31.2955, 36.7299



36.2634, 31.2955, 65.7574

Complementary

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



34.5061, 31.2955, 13.2388



24.6724, 27.0159, 57.9467

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.



30.6584, 31.2955, 74.4352



34.5061, 31.2955, 13.2388



21.8295, 31.2955, 54.6716

Square

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



34.5061, 31.2955, 13.2388



21.1024, 31.2955, 22.6850



25.4441, 31.2955, 69.8515



40.4751, 31.2955, 48.7547

Rectangle

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



34.5061, 31.2955, 13.2388



25.4853, 31.2955, 13.2063



25.4441, 31.2955, 69.8515



34.4557, 31.2955, 69.9501

Sweetspot

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



34.5068, 31.2970, 13.2394



81.8739, 83.5845, 73.8743



32.3543, 21.1159, 30.6373



17.2247, 17.5085, 15.0420



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.



34.5068, 31.2970, 13.2394



55.6884, 47.7442, 14.1835



44.4318, 51.1470, 16.5477



11.0330, 11.4351, 11.1885



17.7145, 12.9461, 1.5652



0.9111, 0.7576, 0.0982

Inverse Universe

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



24.6724, 27.0159, 57.9467



36.7250, 39.4559, 100.2879



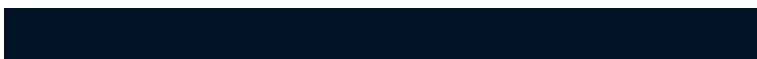
18.1188, 13.9087, 55.7622



10.5193, 11.2126, 13.5273



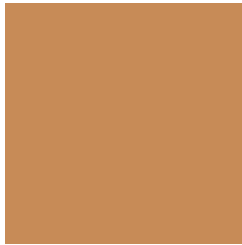
10.0712, 9.5363, 36.0542



0.5488, 0.5955, 1.7312

Previews

White Background



This preview shows how the XYZ color 34.5061, 31.2955, 13.2388 looks on a white background.

Color Contrast Check

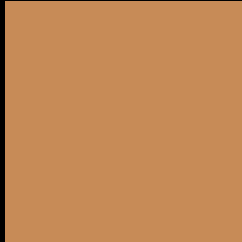
Large Text (above 18pt) WCAG AA × Fail

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 34.5061, 31.2955, 13.2388 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 34.5061, 31.2955, 13.2388

Background



This preview shows how black text looks on a background with the XYZ color 34.5061, 31.2955, 13.2388.



This preview shows how white text looks on a background with the XYZ color 34.5061, 31.2955,

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

34.5061, 31.2955, 13.2388

Protanopia

28.8859, 31.3362, 14.6513

Deuteranopia

32.0548, 31.3618, 13.1681



Tritanopia

37.7624, 31.1520, 29.6138

Trichromacy



Original Color

34.5061, 31.2955, 13.2388

Protanomaly

30.6393, 31.0706, 14.0552

Deuteranomaly

32.9880, 31.3932, 13.1249

Tritanomaly

36.5339, 31.2896, 22.5263

Monochromacy



Original Color

34.5061, 31.2955, 13.2388

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.4784, 30.7508, 24.7512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5061, 31.2955, 13.2388 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, 139, 87)` looks like.

```
.text, #text, p{  
    color:rgb(199, 139, 87)  
}
```

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, 139, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 139, 87) }
```

Border

The CSS property to change the border of an element to XYZ 34.5061, 31.2955, 13.2388 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, 139, 87) }
```


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

```
.border{ border-color:rgb(199, 139, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 139, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 139, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 139, 87);  
box-shadow:4px 4px 4px 4px rgb(199, 139,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5061, 31.2955, 13.2388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 139, 87) }
```

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

```
.background{ background-color: rgb(199,  
139, 87) }
```

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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