

Converting Colors

XYZ(34.3620, 31.0072, 13.1907)

Have a look what the booklet for
XYZ(34.3620, 31.0072, 13.1907)
contains.

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Color

**XYZ(34.3620, 31.0072,
13.1907)**

Conversions

Conversions Part 1

Format	Color
Hex	C78A57
RGB	199, 138, 87
RGB Percent	78%, 54%, 34%
CMY	0.2196, 0.4588, 0.6588
CMYK	0.00, 0.31, 0.56, 0.22
HSL	27°, 50%, 56%
HSV	27°, 56%, 78%
XYZ	34.3620, 31.0072, 13.1907
YIQ	150.4250, 52.7270, -2.9290

Conversions

Conversions Part 2

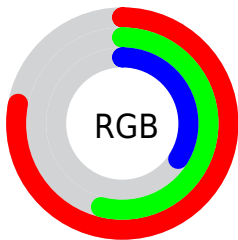
Format	Color
R_{YB}	199, 181, 87
Decimal	13077079
CIE _{Lab}	62.51, 17.77, 36.41
CIE _{LCh}	63, 40.512, 63.983
Yxy	31.0072, 0.4374, 0.3947
Android (android.graphics.Color)	4291267159 (0xFFC78A57)
YUV	150.4250, -31.2685, 42.6003
Hunter-Lab	55.6841, 12.7030, 24.9340

Details

The XYZ color **34.3620, 31.0072, 13.1907** 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 **24.8286, 27.3283, 57.9990**, and the grayscale version is **29.2840, 30.8090, 33.5510**.

A 20% lighter version of the original color is **64.6771, 60.7943, 32.3704**, and **15.0113, 12.8767, 3.6137** is the 20% darker color. If you saturate the color by 10%, you get **32.1804, 27.7707, 8.9903**, and if you desaturate by 10%, it is **36.9244, 34.6468, 18.6241**.

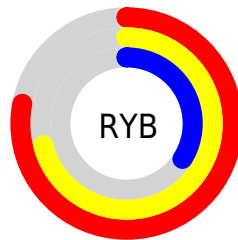
Distribution



Red (78%)

Green (54%)

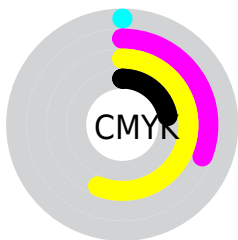
Blue (34%)



Red (78%)

Yellow (71%)

Blue (34%)

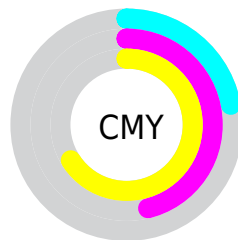


Cyan (0%)

Magenta (31%)

Yellow (56%)

Black (22%)



Cyan (22%)


Magenta (46%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3620, 31.0072, 13.1907 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 34.3620, 31.0072, 13.1907 by changing the saturation by 10% instead.


 34.3620, 31.0072,
13.1907


 34.3620, 31.0072,
13.1907


313.3008,
306.5715, 223.3868


 23.3360, 20.6043,
7.4277


 65.8368, 61.2514,
32.3422

 14.9639, 12.8351,
3.6485


 87.0163, 81.8615,
46.5677


 8.8802, 7.3151,
1.4346


 112.3111,
106.6429, 64.4512

 4.7196, 3.6599,
0.1685

 142.0864,
135.9798, 86.4112

 2.1168, 1.4852,
0.0000

 176.7077,
170.2567, 112.8662

 0.6983, 0.2783,
0.0000

216.5403,

 0.0000, 0.0000,

209.8581, 144.2348

0.0000

261.9495,
255.1682, 180.9355

■ 34.3620, 31.0072,
13.1907

■ 34.3620, 31.0072,
13.1907

■ 32.1804, 27.7707,
8.9903

■ 36.9244, 34.6468,
18.6241

■ 30.3538, 24.9160,
5.9201

■ 39.8864, 38.7002,
25.3785

■ 28.8564, 22.4265,
3.8631

■ 43.2682, 43.1834,
33.5358

■ 27.6549, 20.2807,
2.6695

■ 47.0876, 48.1099,
43.1706

■ 27.2622, 19.5602,
2.3386

■ 51.3615, 53.4927,
54.3524

■ 56.1057, 59.3442,
67.1459

■ 61.3352, 65.6761,
81.6125

■ 67.0643, 72.4997,
97.8100

■ 71.4672, 79.0903,
106.1070

Harmonies

Analogous

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



39.1477, 31.0072, 19.4949



34.3620, 31.0072, 13.1907



28.7423, 31.0072, 11.6522

Triad

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



34.3620, 31.0072, 13.1907



20.1236, 31.0072, 35.9112



35.7920, 31.0072, 65.6497

Complementary

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



34.3620, 31.0072, 13.1907



24.8286, 27.3283, 57.9990

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.



30.2127, 31.0072, 73.9266



34.3620, 31.0072, 13.1907



21.5374, 31.0072, 53.6966

Square

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



34.3620, 31.0072, 13.1907



20.9464, 31.0072, 22.1347



25.0684, 31.0072, 68.9849



40.0429, 31.0072, 48.8792

Rectangle

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



34.3620, 31.0072, 13.1907



25.3753, 31.0072, 12.9492



25.0684, 31.0072, 68.9849



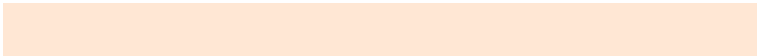
33.9862, 31.0072, 69.7196

Sweetspot

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



34.3627, 31.0087, 13.1913



81.7652, 83.3671, 73.8381



32.3544, 21.1159, 30.6373



17.1990, 17.4573, 15.0335



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.



34.3627, 31.0087, 13.1913



55.4170, 47.2015, 14.0931



44.4320, 51.1472, 16.5477



11.0251, 11.4193, 11.1858



17.6155, 12.7482, 1.5322



0.9063, 0.7480, 0.0966

Inverse Universe

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



24.8286, 27.3283, 57.9990



37.0269, 40.0599, 100.3885



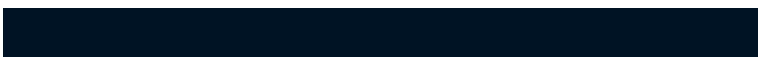
18.1188, 13.9087, 55.7624



10.5273, 11.2286, 13.5300



10.1911, 9.7761, 36.0942



0.5543, 0.6064, 1.7330

Previews

White Background



This preview shows how the XYZ color 34.3620, 31.0072, 13.1907 looks on a white background.

Color Contrast Check

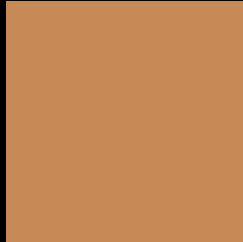
Large Text (above 18pt) WCAG AA × Fail

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 34.3620, 31.0072, 13.1907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

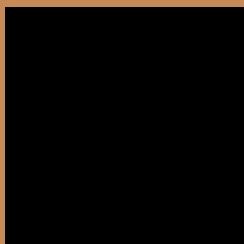
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.3620, 31.0072, 13.1907

Background



This preview shows how black text looks on a background with the XYZ color 34.3620, 31.0072, 13.1907.



This preview shows how white text looks on a background with the XYZ color 34.3620, 31.0072,

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

34.3620, 31.0072, 13.1907

Protanopia

28.8859, 31.3362, 14.6513

Deuteranopia

31.8127, 31.2370, 13.1567



Tritanopia

37.5526, 30.8522, 29.1751

Trichromacy



Original Color

34.3620, 31.0072, 13.1907

Protanomaly

30.6393, 31.0706, 14.0552

Deuteranomaly

32.5879, 30.9650, 13.0634

Tritanomaly

36.3334, 30.9872, 22.1553

Monochromacy



Original Color

34.3620, 31.0072, 13.1907

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.2581, 30.4149, 24.3546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3620, 31.0072, 13.1907 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(199, 138, 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, 138, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 138, 87) }
```

Border

The CSS property to change the border of an element to XYZ 34.3620, 31.0072, 13.1907 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, 87) }
```


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

```
.border{ border-color:rgb(199, 138, 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, 138, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 138, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 138, 87);  
box-shadow:4px 4px 4px 4px rgb(199, 138,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3620, 31.0072, 13.1907 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, 87) }
```

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

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