

Converting Colors

XYZ(34.9591, 31.6976, 19.1011)

Have a look what the booklet for
XYZ(34.9591, 31.6976, 19.1011)
contains.

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Color

**XYZ(34.9575, 31.6177,
19.0122)**

Conversions

Conversions Part 1

Format	Color
Hex	C48C6E
RGB	196, 140, 110
RGB Percent	77%, 55%, 43%
CMY	0.2314, 0.4510, 0.5686
CMYK	0.00, 0.29, 0.44, 0.23
HSL	21°, 42%, 60%
HSV	21°, 44%, 77%
XYZ	34.9575, 31.6177, 19.0122
YIQ	153.3240, 43.0060, 2.5420

Conversions

Conversions Part 2

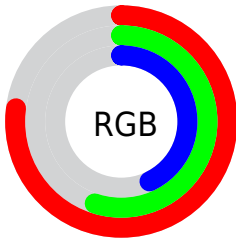
Format	Color
RYB	196, 156, 110
Decimal	12881006
CIELab	63.03, 17.61, 24.47
CIElCh	63, 30.144, 54.255
Yxy	31.6177, 0.4084, 0.3694
Android (android.graphics.Color)	4291071086 (0xFFC48C6E)
YUV	153.3240, -21.3587, 37.4269
Hunter-Lab	56.2296, 12.5702, 19.3138

Details

The XYZ color **34.9575, 31.6177, 19.0122** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **30.0298, 34.5716, 57.3147**, and the grayscale version is **30.4972, 32.0855, 34.9411**.

A 20% lighter version of the original color is **66.6864, 62.2630, 42.6856**, and **15.3409, 13.2356, 6.3036** is the 20% darker color. If you saturate the color by 10%, you get **32.2484, 27.7225, 13.4139**, and if you desaturate by 10%, it is **38.1206, 36.0430, 25.9268**.

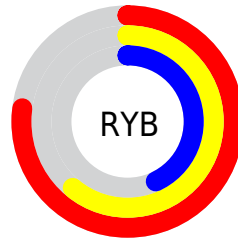
Distribution



Red (77%)

Green (55%)

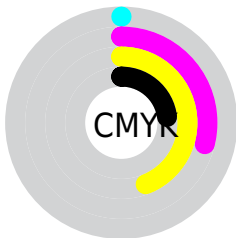
Blue (43%)



Red (77%)

Yellow (61%)

Blue (43%)

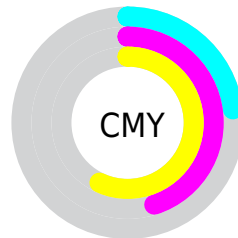


Cyan (0%)

Magenta (29%)

Yellow (44%)

Black (23%)



Cyan (23%)


Magenta (45%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9575, 31.6177, 19.0122 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 34.9575, 31.6177, 19.0122 by changing the saturation by 10% instead.


 34.9575, 31.6177,
19.0122


 34.9575, 31.6177,
19.0122


315.8920,
309.3740, 258.9411


 23.7965, 21.0697,
11.5022


 66.7544, 62.2113,
42.5917


 15.3067, 13.1749,
6.2873


 88.1210, 83.0256,
59.4982

 9.1226, 7.5491,
2.9489


 113.6201,
108.0308, 80.3741

 4.8790, 3.8078,
1.0686

 143.6172,
137.6113, 105.6377

 2.2105, 1.5666,
0.0000

178.4776,
172.1515, 135.7077

 0.7482, 0.3350,
0.0000

218.5666,

 0.0000, 0.0000,

212.0358, 171.0025

0.0000

264.2496,
257.6485, 211.9408

■ 34.9575, 31.6177,
19.0122

■ 34.9575, 31.6177,
19.0122

■ 32.2484, 27.7225,
13.4139

■ 38.1206, 36.0430,
25.9268

■ 29.9677, 24.3317,
9.0449

■ 41.7565, 41.0135,
34.2337

■ 28.0908, 21.4243,
5.8100


■ 45.8860, 46.5494,
44.0048


■ 26.5891, 18.9756,
3.5995


■ 50.5275, 52.6683,
55.3069


■ 25.4293, 16.9583,
2.2809

■ 55.6989, 59.3873,
68.2025

 24.8552, 15.9164,
1.7621

 61.4168, 66.7224,
82.7505

 67.6973, 74.6892,
99.0069

 72.5966, 82.5192,
106.7093

 76.5307, 90.3872,
108.0206

Harmonies

Analogous

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



37.9283, 31.6177, 25.8673



34.9575, 31.6177, 19.0122



30.8575, 31.6177, 16.3293

Triad

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



34.9575, 31.6177, 19.0122



22.7920, 31.6177, 32.1892



33.4496, 31.6177, 59.7428

Complementary

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



34.9575, 31.6177, 19.0122



30.0298, 34.5716, 57.3147

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.



29.2601, 31.6177, 62.5319



34.9575, 31.6177, 19.0122



23.3488, 31.6177, 44.6913

Square

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



34.9575, 31.6177, 19.0122



24.0304, 31.6177, 22.7291



25.6277, 31.6177, 56.5001



37.0031, 31.6177, 49.5737

Rectangle

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



34.9575, 31.6177, 19.0122



28.1297, 31.6177, 16.6900



25.6277, 31.6177, 56.5001



32.0593, 31.6177, 61.6596

Sweetspot

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



34.9583, 31.6192, 19.0128



83.6614, 85.0393, 81.0067



35.3469, 25.6903, 39.8169



17.5280, 17.6979, 16.4297



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.



34.9583, 31.6192, 19.0128



58.4402, 50.2507, 24.3408



42.2392, 46.1811, 21.4398



10.3542, 10.6398, 10.5698



16.0440, 10.3738, 1.1567



0.7583, 0.5783, 0.0717

Inverse Universe

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



30.0298, 34.5716, 57.3147



48.2937, 56.2399, 102.9178



23.6440, 21.7998, 55.1861



10.0632, 10.8177, 12.8425



11.4132, 12.5830, 35.3838



0.5556, 0.6687, 1.5497

Previews

White Background



This preview shows how the XYZ color 34.9575, 31.6177, 19.0122 looks on a white background.

Color Contrast Check

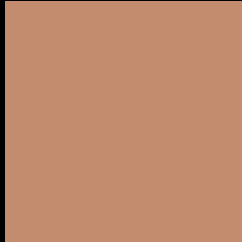
Large Text (above 18pt) WCAG AA × Fail

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 34.9575, 31.6177, 19.0122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

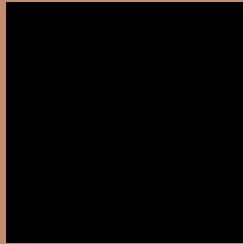
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.9575, 31.6177, 19.0122

Background



This preview shows how black text looks on a background with the XYZ color 34.9575, 31.6177, 19.0122.



This preview shows how white text looks on a background with the XYZ color 34.9575, 31.6177,

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

34.9575, 31.6177, 19.0122

Protanopia

29.8535, 31.9359, 21.1138

Deuteranopia

32.3306, 31.6070, 18.8647



Tritanopia

37.3280, 31.5144, 30.9035

Trichromacy



Original Color

34.9575, 31.6177, 19.0122

Protanomaly

31.5317, 31.6248, 20.3619

Deuteranomaly

33.2271, 31.6154, 18.8191

Tritanomaly

36.3992, 31.5630, 26.0036

Monochromacy



Original Color

34.9575, 31.6177, 19.0122

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.4674, 31.4210, 28.0733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9575, 31.6177, 19.0122 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(196, 140, 110)` looks like.

```
.text, #text, p{  
    color:rgb(196, 140, 110)  
}
```

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(196, 140, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 140, 110) }
```

Border

The CSS property to change the border of an element to XYZ 34.9575, 31.6177, 19.0122 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(196, 140, 110) }
```


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

```
.border{ border-color:rgb(196, 140, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 140, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 140, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 140, 110);  
box-shadow:4px 4px 4px 4px rgb(196, 140,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9575, 31.6177, 19.0122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 140, 110) }
```

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

```
.background{ background-color: rgb(196,  
140, 110) }
```

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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