

Converting Colors

XYZ(30.6972, 31.9351, 21.2040)

Have a look what the booklet for
XYZ(30.6972, 31.9351, 21.2040)
contains.

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Color

**XYZ(30.5812, 31.8292,
21.0548)**

Conversions

Conversions Part 1

Format	Color
Hex	A99774
RGB	169, 151, 116
RGB Percent	66%, 59%, 45%
CMY	0.3373, 0.4078, 0.5451
CMYK	0.00, 0.11, 0.31, 0.34
HSL	40°, 24%, 56%
HSV	40°, 31%, 66%
XYZ	30.5812, 31.8292, 21.0548
YIQ	152.3920, 21.9630, -7.0690

Conversions

Conversions Part 2

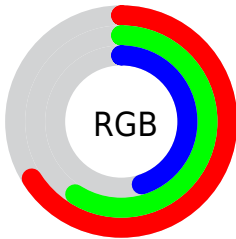
Format	Color
RYB	143, 169, 116
Decimal	11114356
CIELab	63.20, 1.23, 20.90
CIELCh	63, 20.937, 86.629
Yxy	31.8292, 0.3664, 0.3813
Android (android.graphics.Color)	4289304436 (0xFFA99774)
YUV	152.3920, -17.9413, 14.5652
Hunter-Lab	56.4174, -1.9740, 17.3653

Details

The XYZ color **30.5812, 31.8292, 21.0548** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.8888, 23.6271, 40.8904**, and the grayscale version is **30.0837, 31.6504, 34.4673**.

A 20% lighter version of the original color is **59.9505, 62.4973, 45.9492**, and **12.7727, 13.2326, 7.1911** is the 20% darker color. If you saturate the color by 10%, you get **28.7853, 29.6700, 16.0395**, and if you desaturate by 10%, it is **32.6026, 34.1528, 27.0284**.

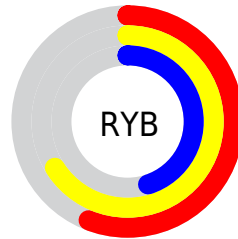
Distribution



Red (66%)

Green (59%)

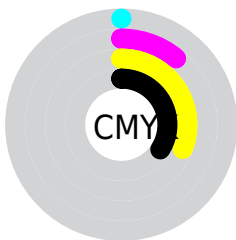
Blue (45%)



Red (56%)

Yellow (66%)

Blue (45%)

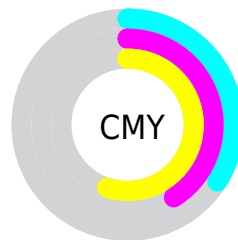


Cyan (0%)

Magenta (11%)

Yellow (31%)

Black (34%)



Cyan (34%)

Magenta (41%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5812, 31.8292, 21.0548 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 30.5812, 31.8292, 21.0548 by changing the saturation by 10% instead.

■ 30.5812, 31.8292,
21.0548

■ 30.5812, 31.8292,
21.0548

296.4657,
310.3405, 270.3602

■ 20.4304, 21.2311,
12.9724

■ 59.9604, 62.5432,
46.0607

■ 12.8184, 13.2930,
7.2791

■ 79.9196, 83.4279,
63.8213

■ 7.3797, 7.6306,
3.5561

■ 103.8790,
108.5103, 85.6451

■ 3.7491, 3.8595,
1.3852

132.2038,
138.1747, 111.9505

■ 1.5612, 1.5953,
0.1301

165.2596,
172.8055, 143.1562

■ 0.3669, 0.3544,
0.0000

203.4116,

■ 0.0000, 0.0000,

212.7871, 179.6807

0.0000

247.0252,
258.5040, 221.9425

■ 30.5812, 31.8292,
21.0548

■ 30.5812, 31.8292,
21.0548

■ 28.7853, 29.6700,
16.0395

■ 32.6026, 34.1528,
27.0284

■ 27.2021, 27.6657,
11.9291

■ 34.8565, 36.6412,
34.0057

■ 25.8211, 25.8121,
8.6682

■ 37.3529, 39.3005,
42.0317

■ 24.6298, 24.1033,
6.1942

■ 40.1002, 42.1350,
51.1480

■ 23.6142, 22.5325,
4.4358

■ 43.1063, 45.1488,
61.3939

■ 22.7574, 21.0919,
3.3089

■ 46.3790, 48.3459,
72.8070

■ 22.1141, 19.9388,
2.6830

■ 49.9255, 51.7302,
85.4227

■ 53.7528, 55.3053,
99.2753

■ 55.6857, 58.2019,
102.9069

Harmonies

Analogous

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



33.4188, 31.8292, 22.9759



30.5812, 31.8292, 21.0548



27.8259, 31.8292, 22.2705

Triad

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



30.5812, 31.8292, 21.0548



25.5449, 31.8292, 42.3035



35.1432, 31.8292, 44.1852

Complementary

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



30.5812, 31.8292, 21.0548



22.8888, 23.6271, 40.8904

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.



32.8166, 31.8292, 50.9487



30.5812, 31.8292, 21.0548



27.2932, 31.8292, 49.7463

Square

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



30.5812, 31.8292, 21.0548



25.0295, 31.8292, 33.7276



29.9266, 31.8292, 53.1295



36.1562, 31.8292, 35.6025

Rectangle

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



30.5812, 31.8292, 21.0548



26.3843, 31.8292, 24.8219



29.9266, 31.8292, 53.1295



34.4818, 31.8292, 46.7965

Sweetspot

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



30.5820, 31.8307, 21.0555



63.3714, 66.6430, 63.8995



26.9494, 22.6628, 25.7102



13.6804, 14.3832, 13.5089



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.5820, 31.8307, 21.0555



52.3769, 54.1465, 30.9706



32.0486, 37.2193, 22.0183



7.9291, 8.3383, 7.9808



16.5325, 14.9622, 2.0166



0.4467, 0.4530, 0.0639

Inverse Universe

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



22.8888, 23.6271, 40.8904



36.2960, 37.0065, 72.4551



21.7121, 19.6371, 40.1822



7.3323, 7.7014, 9.5184



6.4874, 4.4350, 28.4896



0.2050, 0.2023, 0.7089

Previews

White Background



This preview shows how the XYZ color 30.5812, 31.8292, 21.0548 looks on a white background.

Color Contrast Check

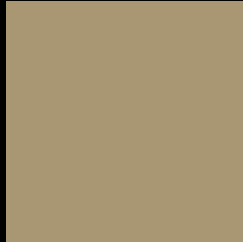
Large Text (above 18pt) WCAG AA × Fail

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 30.5812, 31.8292, 21.0548 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 30.5812, 31.8292, 21.0548

Background



This preview shows how black text looks on a background with the XYZ color 30.5812, 31.8292, 21.0548.



This preview shows how white text looks on a background with the XYZ color 30.5812, 31.8292,

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

30.5812, 31.8292, 21.0548

Protanopia

29.9120, 31.9593, 21.4219

Deuteranopia

32.4670, 31.8551, 21.2671



Tritanopia

33.8202, 31.9908, 36.2906

Trichromacy



Original Color

30.5812, 31.8292, 21.0548

Protanomaly

30.1650, 31.8478, 21.3870

Deuteranomaly

31.7053, 31.6943, 21.2762

Tritanomaly

32.4856, 31.9035, 30.0370

Monochromacy



Original Color

30.5812, 31.8292, 21.0548

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.9890, 31.5897, 28.9429

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5812, 31.8292, 21.0548 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(169, 151, 116)` looks like.

```
.text, #text, p{  
    color:rgb(169, 151, 116)  
}
```

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(169, 151, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 151, 116) }
```

Border

The CSS property to change the border of an element to XYZ 30.5812, 31.8292, 21.0548 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(169, 151, 116) }
```


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

```
.border{ border-color:rgb(169, 151, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 151, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 151, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 151, 116); box-shadow:4px 4px 4px 4px rgb(169, 151, 116) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5812, 31.8292, 21.0548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 151, 116) }
```

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

```
.background{ background-color: rgb(169,  
151, 116) }
```

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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