

Converting Colors

XYZ(30.8365, 31.8680, 21.5787)

Have a look what the booklet for
XYZ(30.8365, 31.8680, 21.5787)
contains.

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Color

**XYZ(30.9142, 31.9873,
21.6843)**

Conversions

Conversions Part 1

Format	Color
Hex	AA9776
RGB	170, 151, 118
RGB Percent	67%, 59%, 46%
CMY	0.3333, 0.4078, 0.5373
CMYK	0.00, 0.11, 0.31, 0.33
HSL	38°, 23%, 56%
HSV	38°, 31%, 67%
XYZ	30.9142, 31.9873, 21.6843
YIQ	152.9190, 21.9170, -6.2350

Conversions

Conversions Part 2

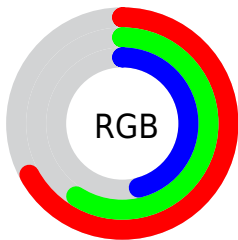
Format	Color
RYB	148, 170, 118
Decimal	11179894
CIELab	63.33, 1.91, 19.98
CIELCh	63, 20.075, 84.552
Yxy	31.9873, 0.3655, 0.3782
Android (android.graphics.Color)	4289369974 (0xFFAA9776)
YUV	152.9190, -17.2151, 14.9800
Hunter-Lab	56.5573, -1.4073, 16.8581

Details

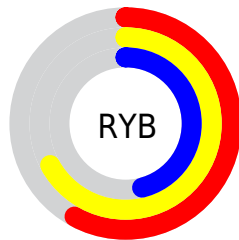
The XYZ color **30.9142, 31.9873, 21.6843** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **23.6723, 24.6444, 41.5395**, and the grayscale version is **30.3096, 31.8880, 34.7261**.

A 20% lighter version of the original color is **60.4511, 62.7337, 46.9529**, and **12.9675, 13.3259, 7.5189** is the 20% darker color. If you saturate the color by 10%, you get **29.0206, 29.6736, 16.5103**, and if you desaturate by 10%, it is **33.0442, 34.4820, 27.8362**.

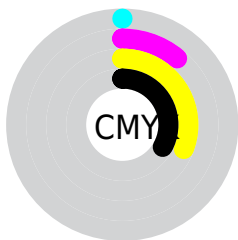
Distribution



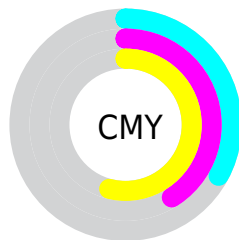
- Red (67%)
- Green (59%)
- Blue (46%)



- Red (58%)
- Yellow (67%)
- Blue (46%)



- Cyan (0%)
- Magenta (11%)
- Yellow (31%)
- Black (33%)



- Cyan (33%)
- Magenta (41%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9142, 31.9873, 21.6843 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 30.9142, 31.9873, 21.6843 by changing the saturation by 10% instead.

■ 30.9142, 31.9873,
21.6843

■ 30.9142, 31.9873,
21.6843

297.9768,
311.0614, 273.7927

■ 20.6850, 21.3518,
13.4290

■ 60.4817, 62.7912,
47.1191

■ 13.0051, 13.3814,
7.5904

■ 80.5508, 83.7283,
65.1358

■ 7.5091, 7.6917,
3.7500

■ 104.6305,
108.8682, 87.2433

■ 3.8316, 3.8983,
1.4892

133.0863,
138.5951, 113.8602

■ 1.6073, 1.6168,
0.2099

166.2834,
173.2935, 145.4050

■ 0.3972, 0.3689,
0.0000

204.5873,

■ 0.0000, 0.0000,

213.3477, 182.2964

0.0000

248.3633,
259.1422, 224.9527

■ 30.9142, 31.9873,
21.6843

■ 30.9142, 31.9873,
21.6843

■ 29.0206, 29.6736,
16.5103

■ 33.0442, 34.4820,
27.8362

■ 27.3504, 27.5312,
12.2603

■ 35.4180, 37.1587,
35.0119

■ 25.8928, 25.5554,
8.8784

■ 38.0456, 40.0236,
43.2568

■ 24.6351, 23.7399,
6.3016

■ 40.9357, 43.0814,
52.6131

■ 23.5630, 22.0776,
4.4584

■ 44.0966, 46.3367,
63.1205

■ 22.6595, 20.5602,
3.2645

■ 47.5362, 49.7937,
74.8168

■ 21.9294, 19.2496,
2.5597

■ 51.2618, 53.4565,
87.7381

■ 55.2809, 57.3292,
101.9191

■ 56.9155, 60.3418,
103.2551

Harmonies

Analogous

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



33.6155, 31.9873, 23.7699



30.9142, 31.9873, 21.6843



28.2318, 31.9873, 22.6590

Triad

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



30.9142, 31.9873, 21.6843



25.7878, 31.9873, 41.5975



34.9771, 31.9873, 44.5014

Complementary

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



30.9142, 31.9873, 21.6843



23.6723, 24.6444, 41.5395

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.



32.6827, 31.9873, 50.7229



30.9142, 31.9873, 21.6843



27.4019, 31.9873, 48.8751

Square

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



30.9142, 31.9873, 21.6843



25.3779, 31.9873, 33.3929



29.8974, 31.9873, 52.4343



36.0511, 31.9873, 36.3051

Rectangle

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



30.9142, 31.9873, 21.6843



26.7989, 31.9873, 25.0035



29.8974, 31.9873, 52.4343



34.3165, 31.9873, 46.9400

Sweetspot

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



30.9150, 31.9888, 21.6850



64.9127, 68.1398, 65.5358



27.5764, 23.3113, 26.7384



14.3310, 15.0354, 14.1674



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



30.9150, 31.9888, 21.6850



53.6144, 55.0319, 32.5168



32.7628, 37.8512, 22.7191



7.9130, 8.3060, 7.9754



16.1859, 14.2690, 1.9011



0.4400, 0.4395, 0.0616

Inverse Universe

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



23.6723, 24.6444, 41.5395



38.2687, 39.4774, 74.6048



22.1822, 20.2145, 40.7630



7.3478, 7.7326, 9.5236



6.6579, 4.7760, 28.5464



0.2107, 0.2137, 0.7108

Previews

White Background



This preview shows how the XYZ color 30.9142, 31.9873, 21.6843 looks on a white background.

Color Contrast Check

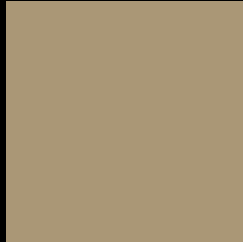
Large Text (above 18pt) WCAG AA × Fail

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 30.9142, 31.9873, 21.6843 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

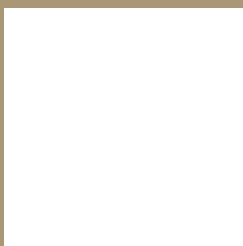
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9142, 31.9873, 21.6843

Background



This preview shows how black text looks on a background with the XYZ color 30.9142, 31.9873, 21.6843.



This preview shows how white text looks on a background with the XYZ color 30.9142, 31.9873,

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

30.9142, 31.9873, 21.6843

Protanopia

30.0308, 32.0069, 22.0479

Deuteranopia

32.5859, 31.9026, 21.8931



Tritanopia

33.8202, 31.9908, 36.2906

Trichromacy



Original Color

30.9142, 31.9873, 21.6843

Protanomaly

30.2839, 31.8954, 22.0131

Deuteranomaly

31.8242, 31.7418, 21.9022

Tritanomaly

32.7814, 32.0472, 30.4446

Monochromacy



Original Color

30.9142, 31.9873, 21.6843

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.2599, 31.7209, 29.3388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9142, 31.9873, 21.6843 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(170, 151, 118)` looks like.

```
.text, #text, p{  
    color:rgb(170, 151, 118)  
}
```

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(170, 151, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 151, 118) }
```

Border

The CSS property to change the border of an element to XYZ 30.9142, 31.9873, 21.6843 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(170, 151, 118) }
```


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

```
.border{ border-color:rgb(170, 151, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 151, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 151, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 151, 118);  
box-shadow:4px 4px 4px 4px rgb(170, 151,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9142, 31.9873, 21.6843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 151, 118) }
```

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

```
.background{ background-color: rgb(170,  
151, 118) }
```

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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