

Converting Colors

XYZ(28.5129, 31.5152, 21.5011)

Have a look what the booklet for
XYZ(28.5129, 31.5152, 21.5011)
contains.

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Color

**XYZ(28.4768, 31.4635,
21.4018)**

Conversions

Conversions Part 1

Format	Color
Hex	9C9A75
RGB	156, 154, 117
RGB Percent	61%, 60%, 46%
CMY	0.3882, 0.3961, 0.5412
CMYK	0.00, 0.01, 0.25, 0.39
HSL	57°, 16%, 54%
HSV	57°, 25%, 61%
XYZ	28.4768, 31.4635, 21.4018
YIQ	150.3800, 13.0690, -11.0830

Conversions

Conversions Part 2

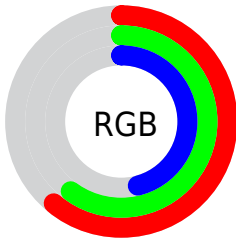
Format	Color
RYB	119, 156, 117
Decimal	10263157
CIELab	62.90, -5.50, 19.74
CIELCh	63, 20.496, 105.574
Yxy	31.4635, 0.3501, 0.3868
Android (android.graphics.Color)	4288453237 (0xFF9C9A75)
YUV	150.3800, -16.4563, 4.9287
Hunter-Lab	56.0923, -7.5412, 16.6428

Details

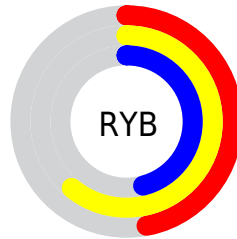
The XYZ color **28.4768, 31.4635, 21.4018** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.9336, 19.3754, 34.1418**, and the grayscale version is **29.2155, 30.7370, 33.4726**.

A 20% lighter version of the original color is **56.5813, 61.8252, 46.4874**, and **11.6026, 13.0609, 7.3783** is the 20% darker color. If you saturate the color by 10%, you get **27.5040, 30.8653, 16.9233**, and if you desaturate by 10%, it is **29.6050, 32.1275, 26.6871**.

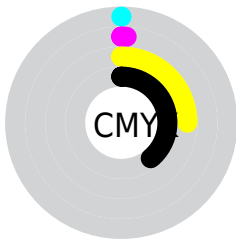
Distribution



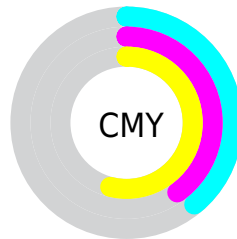
- Red (61%)
- Green (60%)
- Blue (46%)



- Red (47%)
- Yellow (61%)
- Blue (46%)



- Cyan (0%)
- Magenta (1%)
- Yellow (25%)
- Black (39%)



- Cyan (39%)
- Magenta (40%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4768, 31.4635, 21.4018 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 28.4768, 31.4635, 21.4018 by changing the saturation by 10% instead.

■ 28.4768, 31.4635,
21.4018

■ 28.4768, 31.4635,
21.4018

286.7772,
308.6680, 272.2570

■ 18.8277, 20.9520,
13.2239

■ 56.6481, 61.9691,
46.6447

■ 11.6491, 13.0890,
7.4504

■ 75.9010, 82.7320,
64.5469

■ 6.5757, 7.4898,
3.6626

■ 99.0859, 107.6808,
86.5275

■ 3.2421, 3.7703,
1.4422

126.5681,
137.2000, 113.0052

■ 1.2831, 1.5459,
0.1743

158.7130,
171.6739, 144.3984

■ 0.1705, 0.3207,
0.0000

195.8859,

■ 0.0000, 0.0000,

211.4870, 181.1258

0.0000

238.4522,
257.0235, 223.6058

■ 28.4768, 31.4635,
21.4018

■ 28.4768, 31.4635,
21.4018

■ 27.5040, 30.8653,
16.9233

■ 29.6050, 32.1275,
26.6871

■ 26.6765, 30.3255,
13.2096

■ 30.8933, 32.8557,
32.8142

■ 25.9870, 29.8424,
10.2182

■ 32.3489, 33.6524,
39.8186

■ 25.4265, 29.4122,
7.9015

■ 33.9782, 34.5199,
47.7332

■ 24.9848, 29.0309,
6.2062

■ 35.7871, 35.4607,
56.5891

■ 24.6503, 28.6939,
5.0711

■ 37.7812, 36.4770,
66.4159

■ 24.4082, 28.3952,
4.4184

■ 39.9660, 37.5709,
77.2421

■ 24.3027, 28.2526,
4.1724

■ 42.3465, 38.7446,
89.0948

■ 44.5385, 39.8443,
99.9510

Harmonies

Analogous

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



31.2725, 31.4635, 21.3432



28.4768, 31.4635, 21.4018



26.2075, 31.4635, 24.5218

Triad

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



28.4768, 31.4635, 21.4018



26.2776, 31.4635, 46.5500



35.4533, 31.4635, 38.2630

Complementary

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



28.4768, 31.4635, 21.4018



19.9336, 19.3754, 34.1418

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.



33.9352, 31.4635, 46.2815



28.4768, 31.4635, 21.4018



28.5781, 31.4635, 51.5504

Square

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



28.4768, 31.4635, 21.4018



24.9931, 31.4635, 38.5863



31.3804, 31.4635, 51.4451



35.4219, 31.4635, 30.2668

Rectangle

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



28.4768, 31.4635, 21.4018



25.2472, 31.4635, 28.2455



31.3804, 31.4635, 51.4451



35.1033, 31.4635, 41.0693

Sweetspot

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



28.4776, 31.4649, 21.4025



55.5851, 59.3819, 57.0871



23.4378, 21.1373, 20.4873



12.2031, 13.0509, 12.4280



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



28.4776, 31.4649, 21.4025



50.7004, 56.5260, 34.1457



25.7638, 30.5591, 21.3707



7.1411, 7.6621, 7.0882



20.0257, 23.2870, 3.4394



0.3660, 0.4323, 0.0641

Inverse Universe

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



19.9336, 19.3754, 34.1418



32.4607, 30.7184, 61.3451



22.1780, 20.1834, 34.1795



6.3106, 6.4870, 8.3262



5.0221, 2.1358, 26.0548



0.0969, 0.0524, 0.4682

Previews

White Background



This preview shows how the XYZ color 28.4768, 31.4635, 21.4018 looks on a white background.

Color Contrast Check

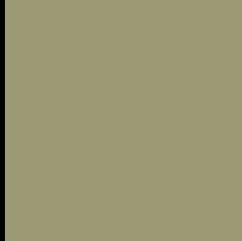
Large Text (above 18pt) WCAG AA × Fail

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 28.4768, 31.4635, 21.4018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

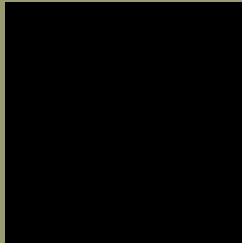
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.4768, 31.4635, 21.4018

Background



This preview shows how black text looks on a background with the XYZ color 28.4768, 31.4635, 21.4018.



This preview shows how white text looks on a background with the XYZ color 28.4768, 31.4635,

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

28.4768, 31.4635, 21.4018

Protanopia

29.4849, 31.5040, 21.0498

Deuteranopia

31.9688, 31.3547, 21.8199



Tritanopia

31.6330, 31.2949, 37.6310

Trichromacy



Original Color

28.4768, 31.4635, 21.4018

Protanomaly

29.0408, 31.5170, 21.0758

Deuteranomaly

30.5950, 31.3489, 21.5780

Tritanomaly

30.2385, 31.1972, 30.8135

Monochromacy



Original Color

28.4768, 31.4635, 21.4018

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.6029, 30.6436, 28.4520

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4768, 31.4635, 21.4018 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(156, 154, 117)` looks like.

```
.text, #text, p{  
    color:rgb(156, 154, 117)  
}
```

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(156, 154, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 154, 117) }
```

Border

The CSS property to change the border of an element to XYZ 28.4768, 31.4635, 21.4018 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(156, 154, 117) }
```


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

```
.border{ border-color:rgb(156, 154, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 154, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 154, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 154, 117);  
box-shadow:4px 4px 4px 4px rgb(156, 154,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4768, 31.4635, 21.4018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 154, 117) }
```

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

```
.background{ background-color: rgb(156,  
154, 117) }
```

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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