

Converting Colors

XYZ(27.5598, 31.1729, 16.3518)

Have a look what the booklet for
XYZ(27.5598, 31.1729, 16.3518)
contains.

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Color

**XYZ(27.5180, 31.0800,
16.3531)**

Conversions

Conversions Part 1

Format	Color
Hex	9C9A63
RGB	156, 154, 99
RGB Percent	61%, 60%, 39%
CMY	0.3882, 0.3961, 0.6118
CMYK	0.00, 0.01, 0.37, 0.39
HSL	58°, 22%, 50%
HSV	58°, 37%, 61%
XYZ	27.5180, 31.0800, 16.3531
YIQ	148.3280, 18.8470, -16.6810

Conversions

Conversions Part 2

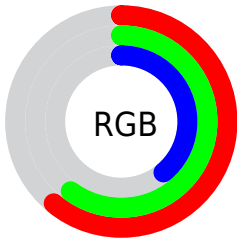
Format	Color
RYB	101, 156, 99
Decimal	10263139
CIELab	62.58, -7.91, 29.16
CIELCh	63, 30.218, 105.181
Yxy	31.0800, 0.3671, 0.4147
Android (android.graphics.Color)	4288453219 (0xFF9C9A63)
YUV	148.3280, -24.3187, 6.7283
Hunter-Lab	55.7494, -9.4537, 21.6329

Details

The XYZ color **27.5180, 31.0800, 16.3531** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.7999, 14.3598, 33.3913**, and the grayscale version is **28.3789, 29.8568, 32.5141**.

A 20% lighter version of the original color is **54.9249, 61.1626, 37.7649**, and **11.1567, 12.8826, 5.0305** is the 20% darker color. If you saturate the color by 10%, you get **26.7535, 30.6314, 12.7676**, and if you desaturate by 10%, it is **28.4285, 31.5899, 20.6989**.

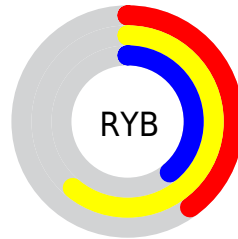
Distribution



Red (61%)

Green (60%)

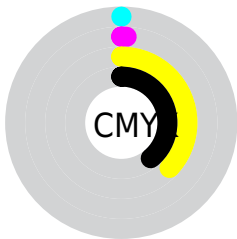
Blue (39%)



Red (40%)

Yellow (61%)

Blue (39%)

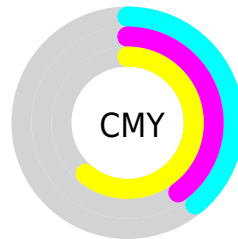


Cyan (0%)

Magenta (1%)

Yellow (37%)

Black (39%)



Cyan (39%)

Magenta (40%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5180, 31.0800, 16.3531 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 27.5180, 31.0800, 16.3531 by changing the saturation by 10% instead.

■ 27.5180, 31.0800,
16.3531

■ 27.5180, 31.0800,
16.3531

282.2785,
306.9067, 243.3328

■ 18.1012, 20.6598,
9.6173

■ 55.1280, 61.3660,
37.9854

■ 11.1228, 12.8755,
5.0437

■ 74.0520, 82.0006,
53.7190

■ 6.2174, 7.3429,
2.2137

■ 96.8757, 106.8087,
73.2890

■ 3.0196, 3.6775,
0.6823

■ 123.9646,
136.1748, 97.1138

■ 1.1642, 1.4948,
0.0000

155.6840,
170.4833, 125.6120

■ 0.0778, 0.2851,
0.0000

192.3992,

■ 0.0000, 0.0000,

210.1185, 159.2023

0.0000

234.4756,
255.4648, 198.3030

■ 27.5180, 31.0800,
16.3531

■ 27.5180, 31.0800,
16.3531

■ 26.7535, 30.6314,
12.7676

■ 28.4285, 31.5899,
20.6989

■ 26.1244, 30.2365,
9.8965

■ 29.4905, 32.1599,
25.8433

■ 25.6224, 29.8931,
7.6922


■ 30.7117, 32.7942,
31.8246


■ 25.2370, 29.5970,
6.1003


■ 32.0989, 33.4956,
38.6777


■ 24.9563, 29.3435,
5.0581


■ 33.6584, 34.2666,
46.4360


 24.7627, 29.1254,
4.4718

 35.3960, 35.1095,
55.1306

 24.7027, 29.0529,
4.3058

 37.3176, 36.0267,
64.7916

 39.4285, 37.0202,
75.4475

 41.7339, 38.0922,
87.1256

Harmonies

Analogous

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



31.6095, 31.0800, 16.3303



27.5180, 31.0800, 16.3531



24.2793, 31.0800, 20.2571

Triad

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



27.5180, 31.0800, 16.3531



24.3104, 31.0800, 52.5794



37.8629, 31.0800, 39.9694

Complementary

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



27.5180, 31.0800, 16.3531



15.7999, 14.3598, 33.3913

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.



35.5118, 31.0800, 52.4438



27.5180, 31.0800, 16.3531



27.5641, 31.0800, 60.7927

Square

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



27.5180, 31.0800, 16.3531



22.5478, 31.0800, 40.1240



31.6600, 31.0800, 60.7380



37.8477, 31.0800, 28.2504

Rectangle

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



27.5180, 31.0800, 16.3531



22.9294, 31.0800, 25.1977



31.6600, 31.0800, 60.7380



37.3142, 31.0800, 44.2639

Sweetspot

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



27.5188, 31.0814, 16.3537



54.7065, 59.0098, 52.5246



20.5632, 16.9483, 14.7194



11.9776, 12.9534, 11.2630



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.



27.5188, 31.0814, 16.3537



48.8063, 55.7648, 24.1826



23.4004, 29.4513, 16.2562



7.1503, 7.6805, 7.0913



20.3530, 23.9417, 3.5485



0.3694, 0.4391, 0.0653

Inverse Universe

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



15.7999, 14.3598, 33.3913



24.2757, 20.7650, 59.8553



18.8693, 15.6581, 33.4801



6.3024, 6.4706, 8.3235



4.9970, 2.0856, 26.0464



0.0942, 0.0470, 0.4673

Previews

White Background



This preview shows how the XYZ color 27.5180, 31.0800, 16.3531 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 27.5180, 31.0800, 16.3531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

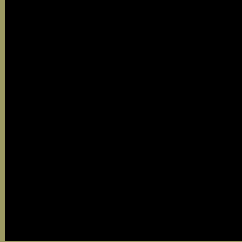
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.5180, 31.0800, 16.3531

Background



This preview shows how black text looks on a background with the XYZ color 27.5180, 31.0800, 16.3531.



This preview shows how white text looks on a background with the XYZ color 27.5180, 31.0800,

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

27.5180, 31.0800, 16.3531

Protanopia

28.5811, 30.9076, 16.0146

Deuteranopia

31.5304, 31.0141, 16.6364



Tritanopia

31.7095, 31.1226, 36.6837

Trichromacy



Original Color

27.5180, 31.0800, 16.3531

Protanomaly

28.1308, 30.9154, 16.0399

Deuteranomaly

29.9034, 30.8706, 16.4391

Tritanomaly

29.9189, 31.0924, 28.0915

Monochromacy



Original Color

27.5180, 31.0800, 16.3531

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.6981, 30.0037, 25.4505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5180, 31.0800, 16.3531 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, 99)` looks like.

```
.text, #text, p{  
    color:rgb(156, 154, 99)  
}
```

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, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 154, 99) }
```

Border

The CSS property to change the border of an element to XYZ 27.5180, 31.0800, 16.3531 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, 99) }
```


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

```
.border{ border-color:rgb(156, 154, 99) }
```

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, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 154, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 154, 99);  
box-shadow:4px 4px 4px 4px rgb(156, 154,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5180, 31.0800, 16.3531 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, 99) }
```

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

```
.background{ background-color: rgb(156,  
154, 99) }
```

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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