

Converting Colors

XYZ(27.7144, 31.3440, 16.3219)

Have a look what the booklet for
XYZ(27.7144, 31.3440, 16.3219)
contains.

XYZ(27.8781, 31.5116, 16.4174)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.8781, 31.5116,
16.4174)**

Conversions

Conversions Part 1

Format	Color
Hex	9D9B63
RGB	157, 155, 99
RGB Percent	62%, 61%, 39%
CMY	0.3843, 0.3921, 0.6118
CMYK	0.00, 0.01, 0.37, 0.38
HSL	58°, 23%, 50%
HSV	58°, 37%, 62%
XYZ	27.8781, 31.5116, 16.4174
YIQ	149.2140, 19.1680, -16.9920

Conversions

Conversions Part 2

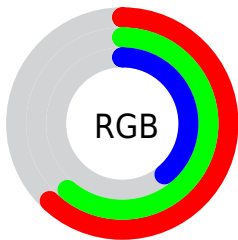
Format	Color
RYB	101, 157, 99
Decimal	10328931
CIELab	62.94, -8.04, 29.65
CIELCh	63, 30.719, 105.167
Yxy	31.5116, 0.3678, 0.4157
Android (android.graphics.Color)	4288519011 (0xFF9D9B63)
YUV	149.2140, -24.7555, 6.8283
Hunter-Lab	56.1352, -9.5892, 21.9546

Details

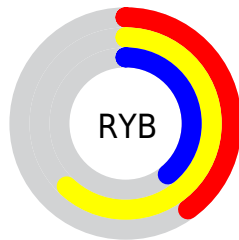
The XYZ color **27.8781, 31.5116, 16.4174** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.8851, 14.3940, 33.8394**, and the grayscale version is **28.7532, 30.2506, 32.9429**.

A 20% lighter version of the original color is **55.4569, 61.8000, 37.8599**, and **11.3736, 13.1429, 5.0694** is the 20% darker color. If you saturate the color by 10%, you get **27.1099, 31.0619, 12.8115**, and if you desaturate by 10%, it is **28.7942, 32.0234, 20.7933**.

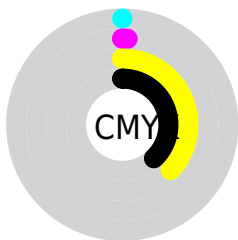
Distribution



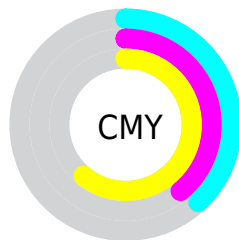
- Red (62%)
- Green (61%)
- Blue (39%)



- Red (40%)
- Yellow (62%)
- Blue (39%)



- Cyan (0%)
- Magenta (1%)
- Yellow (37%)
- Black (38%)



- Cyan (38%)
- Magenta (39%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8781, 31.5116, 16.4174 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 27.8781, 31.5116, 16.4174 by changing the saturation by 10% instead.

■ 27.8781, 31.5116,
16.4174

■ 27.8781, 31.5116,
16.4174

283.9746,
308.8884, 243.7215

■ 18.3738, 20.9887,
9.6625

■ 55.6998, 62.0446,
38.0982

■ 11.3200, 13.1158,
5.0731

■ 74.7478, 82.8236,
53.8610

■ 6.3514, 7.5083,
2.2307

■ 97.7078, 107.7901,
73.4636

■ 3.1026, 3.7820,
0.6920

■ 124.9452,
137.3284, 97.3245

■ 1.2082, 1.5524,
0.0000

156.8251,
171.8230, 125.8622

■ 0.1129, 0.3252,
0.0000

193.7131,

■ 0.0000, 0.0000,

211.6582, 159.4952

0.0000

235.9745,
257.2186, 198.6422

■ 27.8781, 31.5116,
16.4174

■ 27.8781, 31.5116,
16.4174

■ 27.1099, 31.0619,
12.8115

■ 28.7942, 32.0234,
20.7933

■ 26.4789, 30.6665,
9.9290

■ 29.8636, 32.5960,
25.9784

■ 25.9763, 30.3232,
7.7211


■ 31.0945, 33.2339,
32.0116

■ 25.5917, 30.0277,
6.1324


■ 32.4936, 33.9396,
38.9285


■ 25.3128, 29.7752,
5.0985


■ 34.0673, 34.7159,
46.7630


 25.1206, 29.5579,
4.5191

 35.8217, 35.5651,
55.5469

 25.0676, 29.4939,
4.3717

 37.7626, 36.4896,
65.3108

 39.8954, 37.4914,
76.0836

 42.2255, 38.5729,
87.8931

Harmonies

Analogous

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



32.0759, 31.5116, 16.3959



27.8781, 31.5116, 16.4174



24.5584, 31.5116, 20.3991

Triad

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



27.8781, 31.5116, 16.4174



24.5877, 31.5116, 53.5648



38.4971, 31.5116, 40.6086

Complementary

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



27.8781, 31.5116, 16.4174



15.8851, 14.3940, 33.8394

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.



36.0800, 31.5116, 53.4358



27.8781, 31.5116, 16.4174



27.9217, 31.5116, 62.0261

Square

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



27.8781, 31.5116, 16.4174



22.7836, 31.5116, 40.7554



32.1238, 31.5116, 61.9740



38.4826, 31.5116, 28.5841

Rectangle

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



27.8781, 31.5116, 16.4174



23.1754, 31.5116, 25.4493



32.1238, 31.5116, 61.9740



37.9327, 31.5116, 45.0220

Sweetspot

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



27.8789, 31.5130, 16.4181



54.7097, 59.0161, 52.5257



20.7601, 17.0495, 14.7415



11.9784, 12.9550, 11.2633



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.



27.8789, 31.5130, 16.4181



48.8186, 55.7895, 24.1867



23.6539, 29.8323, 16.3163



7.1506, 7.6812, 7.0914



20.3651, 23.9659, 3.5525



0.3696, 0.4394, 0.0653

Inverse Universe

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



15.8851, 14.3940, 33.8394



24.2695, 20.7526, 59.8533



19.0200, 15.7259, 33.9313



6.3021, 6.4700, 8.3234



4.9961, 2.0838, 26.0461



0.0941, 0.0468, 0.4673

Previews

White Background



This preview shows how the XYZ color 27.8781, 31.5116, 16.4174 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 27.8781, 31.5116, 16.4174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

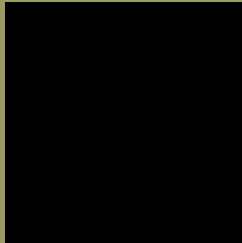
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.8781, 31.5116, 16.4174

Background



This preview shows how black text looks on a background with the XYZ color 27.8781, 31.5116, 16.4174.



This preview shows how white text looks on a background with the XYZ color 27.8781, 31.5116,

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

27.8781, 31.5116, 16.4174

Protanopia

29.1587, 31.4453, 16.0880

Deuteranopia

32.1563, 31.5646, 16.7097



Tritanopia

32.1578, 31.5755, 37.2007

Trichromacy



Original Color

27.8781, 31.5116, 16.4174

Protanomaly

28.7001, 31.4508, 16.1132

Deuteranomaly

30.5033, 31.4137, 16.5123

Tritanomaly

30.2799, 31.5164, 28.1543

Monochromacy



Original Color

27.8781, 31.5116, 16.4174

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.1122, 30.4473, 25.8680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8781, 31.5116, 16.4174 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(157, 155, 99)` looks like.

```
.text, #text, p{  
    color:rgb(157, 155, 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(157, 155, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 155, 99) }
```

Border

The CSS property to change the border of an element to XYZ 27.8781, 31.5116, 16.4174 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(157, 155, 99) }
```


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

```
.border{ border-color:rgb(157, 155, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 155, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 155, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 155, 99);  
box-shadow:4px 4px 4px 4px rgb(157, 155,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8781, 31.5116, 16.4174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 155, 99) }
```

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

```
.background{ background-color: rgb(157,  
155, 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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