

Converting Colors

XYZ(27.8915, 26.8825, 17.4788)

Have a look what the booklet for
XYZ(27.8915, 26.8825, 17.4788)
contains.

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Color

**XYZ(27.8431, 26.9146,
17.3632)**

Conversions

Conversions Part 1

Format	Color
Hex	AA876A
RGB	170, 135, 106
RGB Percent	67%, 53%, 42%
CMY	0.3333, 0.4706, 0.5843
CMYK	0.00, 0.21, 0.38, 0.33
HSL	27°, 27%, 54%
HSV	27°, 38%, 67%
XYZ	27.8431, 26.9146, 17.3632
YIQ	142.1590, 30.1690, -1.5990

Conversions

Conversions Part 2

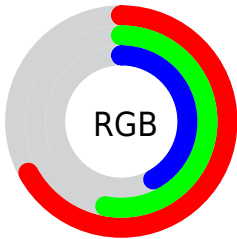
Format	Color
R_{YB}	170, 159, 106
Decimal	11175786
CIE _{Lab}	58.90, 9.25, 20.67
CIE _{LCh}	59, 22.647, 65.904
Yxy	26.9146, 0.3861, 0.3732
Android (android.graphics.Color)	4289365866 (0xFFAA876A)
YUV	142.1590, -17.8264, 24.4166
Hunter-Lab	51.8793, 5.0104, 16.4720

Details

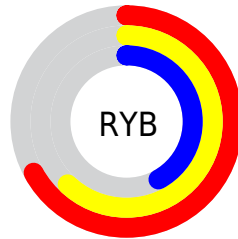
The XYZ color **27.8431, 26.9146, 17.3632** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **22.7242, 25.0154, 41.6611**, and the grayscale version is **25.8347, 27.1801, 29.5991**.

A 20% lighter version of the original color is **55.4331, 54.5695, 39.5096**, and **11.2147, 10.5155, 5.4416** is the 20% darker color. If you saturate the color by 10%, you get **25.8045, 24.1146, 12.7460**, and if you desaturate by 10%, it is **30.1717, 30.0138, 22.9423**.

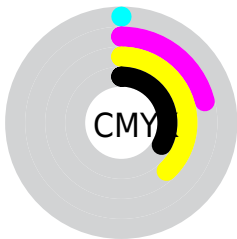
Distribution



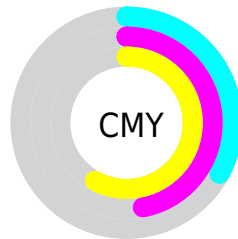
- Red (67%)
- Green (53%)
- Blue (42%)



- Red (67%)
- Yellow (62%)
- Blue (42%)



- Cyan (0%)
- Magenta (21%)
- Yellow (38%)
- Black (33%)





- Cyan (33%)
- Magenta (47%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8431, 26.9146, 17.3632 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 27.8431, 26.9146, 17.3632 by changing the saturation by 10% instead.


 27.8431, 26.9146,
17.3632


 27.8431, 26.9146,
17.3632


283.8101,
287.2434, 249.3712


 18.3473, 17.5091,
10.3291


 55.6442, 54.7468,
39.7484

 11.3008, 10.5981,
5.5092


 74.6803, 73.9423,
55.9365

 6.3383, 5.7973,
2.4851


 97.6271, 97.1699,
76.0131

 3.0945, 2.7222,
0.8323

 124.8500,
124.8140, 100.3966

 1.2039, 0.9885,
0.0000

156.7144,
157.2590, 129.5056

 0.1095, 0.0000,
0.0000

193.5857,

 0.0000, 0.0000,

194.8893, 163.7587

0.0000

235.8291,
238.0893, 203.5744

■ 27.8431, 26.9146,
17.3632

■ 27.8431, 26.9146,
17.3632

■ 25.8045, 24.1146,
12.7460

■ 30.1717, 30.0138,
22.9423

■ 24.0404, 21.6001,
9.0332

■ 32.8004, 33.4177,
29.5329

■ 22.5371, 19.3616,
6.1639

■ 35.7416, 37.1366,
37.1831

■ 21.2784, 17.3878,
4.0685

■ 39.0061, 41.1788,
45.9375

■ 20.2459, 15.6661,
2.6663

■ 42.6042, 45.5527,
55.8380

■ 19.4121, 14.1799,
1.8288

■ 46.5458, 50.2659,
66.9244

■ 19.2344, 13.8595,
1.6614

■ 50.8403, 55.3262,
79.2346

■ 55.4967, 60.7406,
92.8046

■ 59.8726, 66.2560,
104.2408

Harmonies

Analogous

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



30.1949, 26.9146, 21.1613



27.8431, 26.9146, 17.3632



25.0317, 26.9146, 16.4883

Triad

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



27.8431, 26.9146, 17.3632



20.5912, 26.9146, 30.9203



28.8705, 26.9146, 43.6530

Complementary

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



27.8431, 26.9146, 17.3632



22.7242, 25.0154, 41.6611

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.



26.1394, 26.9146, 47.4738



27.8431, 26.9146, 17.3632



21.4637, 26.9146, 39.3095

Square

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



27.8431, 26.9146, 17.3632



20.9748, 26.9146, 23.4504



23.4458, 26.9146, 45.7546



30.8177, 26.9146, 36.0619

Rectangle

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



27.8431, 26.9146, 17.3632



23.3008, 26.9146, 17.5087



23.4458, 26.9146, 45.7546



28.0064, 26.9146, 45.4784

Sweetspot

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



27.8438, 26.9159, 17.3637



62.8869, 64.9164, 62.3076



26.5545, 20.7835, 27.8897



13.8669, 14.2783, 13.4851



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.



27.8438, 26.9159, 17.3637



47.4585, 44.6442, 24.5339



32.9614, 37.1510, 19.0696



7.8006, 8.0813, 7.9380



14.2033, 10.3039, 1.2403



0.3970, 0.3536, 0.0473

Inverse Universe

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



22.7242, 25.0154, 41.6611



36.8380, 40.6943, 74.9151



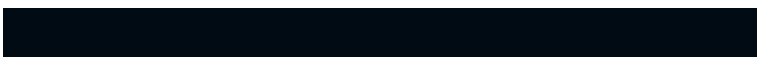
18.6898, 16.9468, 40.3164



7.4590, 7.9548, 9.5606



8.2705, 8.0012, 29.0840



0.2513, 0.2949, 0.7243

Previews

White Background



This preview shows how the XYZ color 27.8431, 26.9146, 17.3632 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8431, 26.9146, 17.3632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

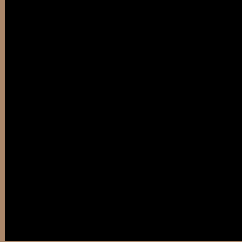
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.8431, 26.9146, 17.3632

Background



This preview shows how black text looks on a background with the XYZ color 27.8431, 26.9146, 17.3632.



This preview shows how white text looks on a background with the XYZ color 27.8431, 26.9146,

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

27.8431, 26.9146, 17.3632

Protanopia

25.3822, 27.1255, 18.3660

Deuteranopia

27.3420, 26.8644, 17.3799



Tritanopia

29.9498, 26.7429, 28.3943

Trichromacy



Original Color

27.8431, 26.9146, 17.3632

Protanomaly

26.2375, 26.9189, 18.0004

Deuteranomaly

27.5541, 26.9738, 17.3899

Tritanomaly

29.1608, 26.8317, 24.0642

Monochromacy



Original Color

27.8431, 26.9146, 17.3632

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

26.1440, 26.7256, 24.5495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8431, 26.9146, 17.3632 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, 135, 106)` looks like.

```
.text, #text, p{  
    color:rgb(170, 135, 106)  
}
```

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, 135, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 135, 106) }
```

Border

The CSS property to change the border of an element to XYZ 27.8431, 26.9146, 17.3632 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, 135, 106) }
```


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

```
.border{ border-color:rgb(170, 135, 106) }
```

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

Here you see how a box with a 4 pixel rgb(170, 135, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 135, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 135, 106);  
box-shadow:4px 4px 4px 4px rgb(170, 135,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8431, 26.9146, 17.3632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 135, 106) }
```

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

```
.background{ background-color: rgb(170,  
135, 106) }
```

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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