

Converting Colors

XYZ(28.0327, 36.9796, 28.3526)

Have a look what the booklet for
XYZ(28.0327, 36.9796, 28.3526)
contains.

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Color

**XYZ(27.9968, 36.9829,
28.2171)**

Conversions

Conversions Part 1

Format	Color
Hex	7BB086
RGB	123, 176, 134
RGB Percent	48%, 69%, 53%
CMY	0.5176, 0.3098, 0.4745
CMYK	0.30, 0.00, 0.24, 0.31
HSL	132°, 25%, 59%
HSV	132°, 30%, 69%
XYZ	27.9968, 36.9829, 28.2171
YIQ	155.3650, -18.1060, -24.2980

Conversions

Conversions Part 2

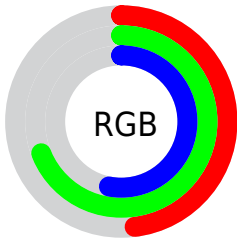
Format	Color
RYB	123, 167, 176
Decimal	8106118
CIELab	67.26, -26.22, 16.05
CIELCh	67, 30.739, 148.529
Yxy	36.9829, 0.3004, 0.3968
Android (android.graphics.Color)	4286296198 (0xFF7BB086)
YUV	155.3650, -10.5329, -28.3841
Hunter-Lab	60.8136, -24.2475, 15.0593

Details

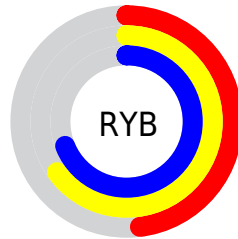
The XYZ color **27.9968, 36.9829, 28.2171** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **31.7802, 26.1134, 38.9642**, and the grayscale version is **31.3693, 33.0029, 35.9402**.

A 20% lighter version of the original color is **55.9577, 70.6482, 57.7009**, and **11.3557, 16.1837, 10.9128** is the 20% darker color. If you saturate the color by 10%, you get **24.7924, 35.4371, 23.3199**, and if you desaturate by 10%, it is **31.7842, 38.8165, 33.8130**.

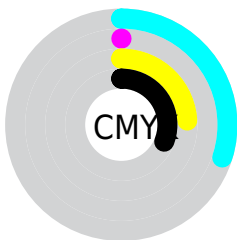
Distribution



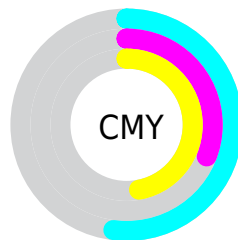
- Red (48%)
- Green (69%)
- Blue (53%)



- Red (48%)
- Yellow (65%)
- Blue (69%)



- Cyan (30%)
- Magenta (0%)
- Yellow (24%)
- Black (31%)



- Cyan (52%)
- Magenta (31%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9968, 36.9829, 28.2171 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 27.9968, 36.9829, 28.2171 by changing the saturation by 10% instead.

■ 27.9968, 36.9829,
28.2171

■ 27.9968, 36.9829,
28.2171

284.5320,
333.2365, 307.4474

■ 18.4637, 25.1943,
18.2489

■ 55.8880, 70.5465,
57.8581

■ 11.3851, 16.2218,
10.9576

■ 74.9768, 93.0902,
78.3681

■ 6.3957, 9.6813,
5.9245

■ 97.9816, 119.9878,
103.2290

■ 3.1301, 5.1881,
2.7312

125.2676,
151.6235, 132.8594

■ 1.2229, 2.3581,
0.9591

157.2004,
188.3819, 167.6779

■ 0.1243, 0.8042,
0.0000

194.1451,

■ 0.0000, 0.0000,

230.6472, 208.1031

0.0000

236.4672,
278.8039, 254.5534

■ 27.9968, 36.9829,
28.2171

■ 27.9968, 36.9829,
28.2171

■ 24.7924, 35.4371,
23.3199

■ 31.7842, 38.8165,
33.8130

■ 22.1388, 34.1599,
19.0915

■ 36.1787, 40.9467,
40.1309

■ 20.0050, 33.1372,
15.5035


■ 41.2069, 43.3876,
47.1962


■ 18.3561, 32.3513,
12.5246


■ 46.8926, 46.1512,
55.0323


■ 17.1521, 31.7826,
10.1207


■ 53.2586, 49.2486,
63.6615


 16.3470, 31.4081,
8.2544

 60.3266, 52.6905,
73.1054

 15.8527, 31.1828,
6.8951

 68.1171, 56.4872,
83.3844

 73.3364, 58.9403,
94.3635

 74.8161, 59.5321,
102.1554

Harmonies

Analogous

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



31.0115, 36.9829, 21.5492



27.9968, 36.9829, 28.2171



26.8732, 36.9829, 39.6076

Triad

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



27.9968, 36.9829, 28.2171



34.9197, 36.9829, 72.0563



43.6985, 36.9829, 29.1344

Complementary

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



27.9968, 36.9829, 28.2171



31.7802, 26.1134, 38.9642

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.



44.9752, 36.9829, 40.9359



27.9968, 36.9829, 28.2171



39.6436, 36.9829, 67.5375

Square

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



27.9968, 36.9829, 28.2171



30.6435, 36.9829, 66.6043



43.4309, 36.9829, 55.3383



40.0805, 36.9829, 21.9900

Rectangle

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



27.9968, 36.9829, 28.2171



27.2640, 36.9829, 49.0600



43.4309, 36.9829, 55.3383



44.4292, 36.9829, 32.5948

Sweetspot

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



27.9978, 36.9845, 28.2179



66.4355, 74.6592, 73.9478



34.7023, 40.5249, 24.7323



14.1330, 16.0515, 15.6500



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



27.9978, 36.9845, 28.2179



46.8723, 65.1890, 45.2474



30.0488, 37.8048, 39.0183



8.4587, 9.5180, 9.4094



11.6486, 22.8854, 5.1525



0.3874, 0.7284, 0.2722

Inverse Universe

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



31.7802, 26.1134, 38.9642



54.8161, 42.3418, 67.8043



29.6415, 25.2579, 27.7015



8.7730, 8.6159, 10.3029



16.6031, 8.1588, 18.8678



0.5415, 0.2643, 0.6940

Previews

White Background



This preview shows how the XYZ color 27.9968, 36.9829, 28.2171 looks on a white background.

Color Contrast Check

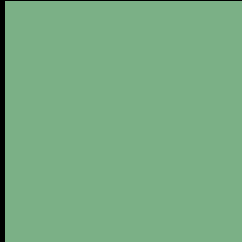
Large Text (above 18pt) WCAG AA × Fail

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 27.9968, 36.9829, 28.2171 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 27.9968, 36.9829, 28.2171

Background



This preview shows how black text looks on a background with the XYZ color 27.9968, 36.9829, 28.2171.



This preview shows how white text looks on a background with the XYZ color 27.9968, 36.9829,

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

27.9968, 36.9829, 28.2171

Protanopia

34.4490, 36.7516, 25.7002

Deuteranopia

37.3835, 36.6403, 29.1467



Tritanopia

32.2509, 36.7004, 50.1838

Trichromacy



Original Color

27.9968, 36.9829, 28.2171

Protanomaly

31.5495, 36.5855, 26.5180

Deuteranomaly

33.1007, 36.2496, 28.9192

Tritanomaly

30.5973, 36.8888, 41.1049

Monochromacy



Original Color

27.9968, 36.9829, 28.2171

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

29.6913, 34.1406, 32.6287

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9968, 36.9829, 28.2171 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(123, 176, 134)` looks like.

```
.text, #text, p{  
    color:rgb(123, 176, 134)  
}
```

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(123, 176, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 176, 134) }
```

Border

The CSS property to change the border of an element to XYZ 27.9968, 36.9829, 28.2171 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(123, 176, 134) }
```


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

```
.border{ border-color:rgb(123, 176, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 176, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 176, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 176, 134);  
box-shadow:4px 4px 4px 4px rgb(123, 176,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9968, 36.9829, 28.2171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 176, 134) }
```

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

```
.background{ background-color: rgb(123,  
176, 134) }
```

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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