

Converting Colors

XYZ(27.7742, 33.8757, 33.1458)

Have a look what the booklet for
XYZ(27.7742, 33.8757, 33.1458)
contains.

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Color

**XYZ(27.8836, 33.9997,
33.1100)**

Conversions

Conversions Part 1

Format	Color
Hex	80A694
RGB	128, 166, 148
RGB Percent	50%, 65%, 58%
CMY	0.4980, 0.3490, 0.4196
CMYK	0.23, 0.00, 0.11, 0.35
HSL	152°, 18%, 58%
HSV	152°, 23%, 65%
XYZ	27.8836, 33.9997, 33.1100
YIQ	152.5860, -16.8700, -13.6540

Conversions

Conversions Part 2

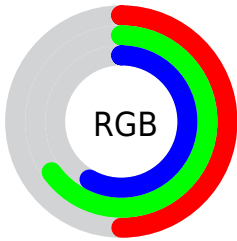
Format	Color
RYB	128, 153, 166
Decimal	8431252
CIELab	64.96, -16.74, 5.10
CIElCh	65, 17.504, 163.066
Yxy	33.9997, 0.2935, 0.3579
Android (android.graphics.Color)	4286621332 (0xFF80A694)
YUV	152.5860, -2.2609, -21.5619
Hunter-Lab	58.3093, -16.6822, 7.1496

Details

The XYZ color **27.8836, 33.9997, 33.1100** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.6345, 25.6215, 30.6318**, and the grayscale version is **30.1139, 31.6822, 34.5019**.

A 20% lighter version of the original color is **55.5732, 65.8009, 65.6489**, and **11.3169, 14.5174, 13.5149** is the 20% darker color. If you saturate the color by 10%, you get **24.9867, 32.5767, 29.8352**, and if you desaturate by 10%, it is **31.2332, 35.6530, 36.6282**.

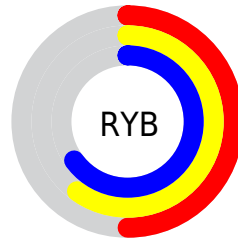
Distribution



Red (50%)

Green (65%)

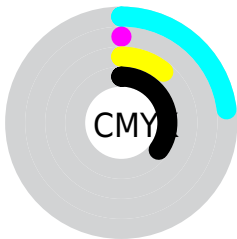
Blue (58%)



Red (50%)

Yellow (60%)

Blue (65%)

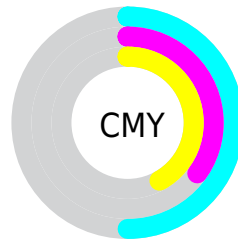


Cyan (23%)

Magenta (0%)

Yellow (11%)

Black (35%)



Cyan (50%)

Magenta (35%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8836, 33.9997, 33.1100 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 27.8836, 33.9997, 33.1100 by changing the saturation by 10% instead.

■ 27.8836, 33.9997,
33.1100

■ 27.8836, 33.9997,
33.1100

284.0005,
320.1307, 330.7923

■ 18.3779, 22.8934,
21.9389

■ 55.7085, 65.9332,
65.6652

■ 11.3230, 14.5148,
13.6141

■ 74.7584, 87.5292,
87.8864

■ 6.3534, 8.4796,
7.7171

■ 97.7205, 113.3905,
114.6281

■ 3.1038, 4.4033,
3.8293

124.9601,
143.9015, 146.3088

■ 1.2089, 1.9016,
1.5322

156.8425,
179.4466, 183.3470

■ 0.1134, 0.5494,
0.2417

193.7332,

■ 0.0000, 0.0000,

220.4103, 226.1613

0.0000

235.9974,
267.1768, 275.1702

■ 27.8836, 33.9997,
33.1100

■ 27.8836, 33.9997,
33.1100

■ 24.9867, 32.5767,
29.8352

■ 31.2332, 35.6530,
36.6282

■ 22.5191, 31.3693,
26.7962

■ 35.0519, 37.5423,
40.3927

■ 20.4592, 30.3675,
23.9882

■ 39.3590, 39.6782,
44.4092

■ 18.7827, 29.5586,
21.4055

■ 44.1714, 42.0695,
48.6824

■ 17.4623, 28.9288,
19.0420

■ 49.5057, 44.7246,
53.2172

■ 16.4668, 28.4622,
16.8913

■ 55.3772, 47.6513,
58.0179

■ 15.7594, 28.1399,
14.9464

■ 61.8010, 50.8573,
63.0890

■ 15.3721, 27.9677,
13.6835

■ 66.6236, 53.2324,
68.3334

■ 67.6334, 53.6363,
73.6511

Harmonies

Analogous

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



29.1078, 33.9997, 27.7495



27.8836, 33.9997, 33.1100



27.8067, 33.9997, 40.2583

Triad

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



27.8836, 33.9997, 33.1100



33.4275, 33.9997, 52.3098



35.9999, 33.9997, 28.3016

Complementary

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



27.8836, 33.9997, 33.1100



28.6345, 25.6215, 30.6318

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.



37.2876, 33.9997, 33.9600



27.8836, 33.9997, 33.1100



35.7511, 33.9997, 48.1543

Square

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



27.8836, 33.9997, 33.1100



30.9200, 33.9997, 52.0040



37.1942, 33.9997, 41.2261



33.7528, 33.9997, 25.2319

Rectangle

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



27.8836, 33.9997, 33.1100



28.4095, 33.9997, 45.1497



37.1942, 33.9997, 41.2261



36.5644, 33.9997, 29.9298

Sweetspot

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



27.8845, 34.0011, 33.1108



60.5698, 66.6260, 70.3552



29.4530, 34.9771, 25.6215



13.4667, 14.8663, 15.6580



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



27.8845, 34.0011, 33.1108



48.0821, 60.4644, 57.2962



29.3075, 34.3865, 41.1706



7.5955, 8.4712, 8.8560



11.9436, 21.6962, 10.7356



0.3162, 0.5381, 0.3959

Inverse Universe

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



28.6345, 25.6215, 30.6318



49.6644, 42.7879, 52.0680



27.4252, 25.2704, 23.8548



7.6735, 7.5993, 8.5979



13.3021, 6.7296, 6.4025



0.3496, 0.1741, 0.2927

Previews

White Background



This preview shows how the XYZ color 27.8836, 33.9997, 33.1100 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 27.8836, 33.9997, 33.1100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

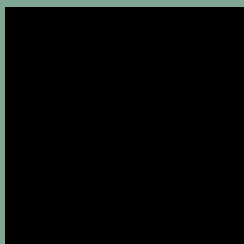
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.8836, 33.9997, 33.1100

Background



This preview shows how black text looks on a background with the XYZ color 27.8836, 33.9997, 33.1100.

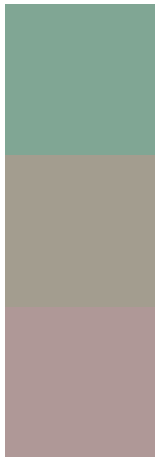


This preview shows how white text looks on a background with the XYZ color 27.8836, 33.9997,

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

27.8836, 33.9997, 33.1100

Protanopia

32.1192, 33.8836, 30.8339

Deuteranopia

34.4933, 33.8048, 33.9851



Tritanopia

30.3311, 33.9224, 45.5065

Trichromacy



Original Color

27.8836, 33.9997, 33.1100

Protanomaly

30.2593, 33.6700, 31.6922

Deuteranomaly

31.6625, 33.5851, 33.6679

Tritanomaly

29.2488, 33.7363, 40.5675

Monochromacy



Original Color

27.8836, 33.9997, 33.1100

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.3144, 32.6174, 34.0289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8836, 33.9997, 33.1100 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(128, 166, 148)` looks like.

```
.text, #text, p{  
    color:rgb(128, 166, 148)  
}
```

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(128, 166, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 166, 148) }
```

Border

The CSS property to change the border of an element to XYZ 27.8836, 33.9997, 33.1100 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(128, 166, 148) }
```


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

```
.border{ border-color:rgb(128, 166, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 166, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 166, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 166, 148);  
box-shadow:4px 4px 4px 4px rgb(128, 166,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8836, 33.9997, 33.1100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 166, 148) }
```

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

```
.background{ background-color: rgb(128,  
166, 148) }
```

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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