

Converting Colors

XYZ(27.1579, 33.6291, 29.9007)

Have a look what the booklet for
XYZ(27.1579, 33.6291, 29.9007)
contains.

XYZ(27.2719, 33.7551, 29.8889)	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(27.2719, 33.7551,
29.8889)**

Conversions

Conversions Part 1

Format	Color
Hex	80A68C
RGB	128, 166, 140
RGB Percent	50%, 65%, 55%
CMY	0.4980, 0.3490, 0.4510
CMYK	0.23, 0.00, 0.16, 0.35
HSL	139°, 18%, 58%
HSV	139°, 23%, 65%
XYZ	27.2719, 33.7551, 29.8889
YIQ	151.6740, -14.3020, -16.1420

Conversions

Conversions Part 2

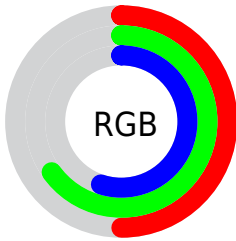
Format	Color
RYB	128, 157, 166
Decimal	8431244
CIELab	64.77, -18.35, 9.27
CIELCh	65, 20.563, 153.193
Yxy	33.7551, 0.3000, 0.3713
Android (android.graphics.Color)	4286621324 (0xFF80A68C)
YUV	151.6740, -5.7553, -20.7621
Hunter-Lab	58.0991, -17.8851, 10.1679

Details

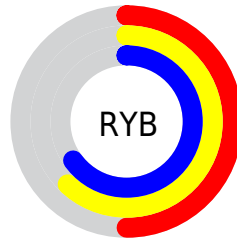
The XYZ color **27.2719, 33.7551, 29.8889** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **29.2790, 25.8792, 34.0253**, and the grayscale version is **29.7337, 31.2821, 34.0663**.

A 20% lighter version of the original color is **54.6501, 65.4317, 60.7882**, and **11.0047, 14.3925, 11.8709** is the 20% darker color. If you saturate the color by 10%, you get **24.1817, 32.2548, 25.5959**, and if you desaturate by 10%, it is **30.8590, 35.5034, 34.6579**.

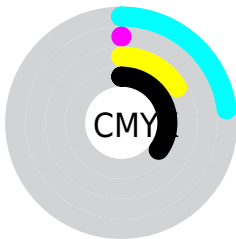
Distribution



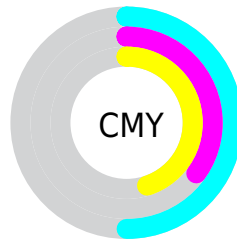
- Red (50%)
- Green (65%)
- Blue (55%)



- Red (50%)
- Yellow (62%)
- Blue (65%)



- Cyan (23%)
- Magenta (0%)
- Yellow (16%)
- Black (35%)



- Cyan (50%)
- Magenta (35%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2719, 33.7551, 29.8889 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 27.2719, 33.7551, 29.8889 by changing the saturation by 10% instead.

■ 27.2719, 33.7551,
29.8889

■ 27.2719, 33.7551,
29.8889

281.1148,
319.0387, 315.5774

■ 17.9152, 22.7055,
19.5029

■ 54.7367, 65.5526,
60.5454

■ 10.9884, 14.3762,
11.8538

■ 73.5755, 87.0694,
81.6529

■ 6.1263, 8.3828,
6.5229

■ 96.3056, 112.8440,
107.1715

■ 2.9634, 4.3409,
3.0917

123.2925,
143.2609, 137.5195

■ 1.1344, 1.8660,
1.1416

154.9016,
178.7044, 173.1156

■ 0.0536, 0.5278,
0.0000

191.4980,

■ 0.0000, 0.0000,

219.5589, 214.3782

0.0000

233.4473,
266.2089, 261.7260

■ 27.2719, 33.7551,
29.8889

■ 27.2719, 33.7551,
29.8889

■ 24.1817, 32.2548,
25.5959

■ 30.8590, 35.5034,
34.6579

■ 21.5631, 30.9870,
21.7621

■ 34.9611, 37.5060,
39.9147

■ 19.3928, 29.9410,
18.3726

■ 39.5990, 39.7743,
45.6736

■ 17.6444, 29.1034,
15.4113

■ 44.7914, 42.3176,
51.9473

■ 16.2885, 28.4594,
12.8608

■ 50.5560, 45.1448,
58.7483

■ 15.2916, 27.9922,
10.7025

■ 56.9098, 48.2644,
66.0888

■ 14.6144, 27.6820,
8.9165

■ 63.8692, 51.6847,
73.9802

■ 14.2662, 27.5255,
7.8597

■ 69.2821, 54.2958,
82.3324

■ 70.9380, 54.9582,
91.0521

Harmonies

Analogous

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



29.0704, 33.7551, 24.7429



27.2719, 33.7551, 29.8889



26.7351, 33.7551, 37.6679

Triad

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



27.2719, 33.7551, 29.8889



32.4009, 33.7551, 55.5245



37.0797, 33.7551, 28.5412

Complementary

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



27.2719, 33.7551, 29.8889



29.2790, 25.8792, 34.0253

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.



38.1008, 33.7551, 35.8541



27.2719, 33.7551, 29.8889



35.2973, 33.7551, 52.1316

Square

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



27.2719, 33.7551, 29.8889



29.5870, 33.7551, 53.2848



37.4295, 33.7551, 44.5962



34.7160, 33.7551, 24.0528

Rectangle

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



27.2719, 33.7551, 29.8889



27.1362, 33.7551, 43.5459



37.4295, 33.7551, 44.5962



37.5977, 33.7551, 30.7070

Sweetspot

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



27.2728, 33.7565, 29.8897



60.1768, 66.4688, 68.2857



30.9747, 35.7616, 25.6925



13.3723, 14.8285, 15.1605



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.



27.2728, 33.7565, 29.8897



46.8005, 59.9518, 50.5475



28.7454, 34.3456, 37.6443



7.5307, 8.4453, 8.5149



11.0813, 21.3513, 6.1952



0.2926, 0.5287, 0.2716

Inverse Universe

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



29.2790, 25.8792, 34.0253



51.0309, 43.3345, 59.2643



27.8616, 25.3122, 26.5616



7.7396, 7.6257, 8.9458



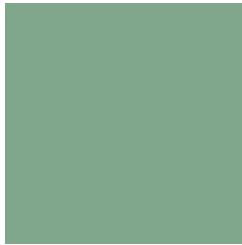
14.5533, 7.2300, 12.9910



0.3757, 0.1845, 0.4298

Previews

White Background



This preview shows how the XYZ color 27.2719, 33.7551, 29.8889 looks on a white background.

Color Contrast Check

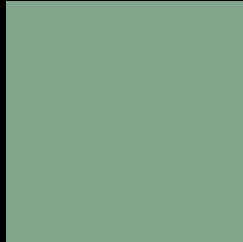
Large Text (above 18pt) WCAG AA × Fail

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 27.2719, 33.7551, 29.8889 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 27.2719, 33.7551, 29.8889

Background



This preview shows how black text looks on a background with the XYZ color 27.2719, 33.7551, 29.8889.



This preview shows how white text looks on a background with the XYZ color 27.2719, 33.7551,

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

27.2719, 33.7551, 29.8889

Protanopia

31.5715, 33.4187, 27.7081

Deuteranopia

34.1560, 33.4635, 30.6455



Tritanopia

30.2164, 33.6141, 44.9400

Trichromacy



Original Color

27.2719, 33.7551, 29.8889

Protanomaly

29.8487, 33.5271, 28.5651

Deuteranomaly

31.0690, 33.1009, 30.3428

Tritanomaly

29.1345, 33.7086, 39.1533

Monochromacy



Original Color

27.2719, 33.7551, 29.8889

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

28.7300, 32.0917, 32.6971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2719, 33.7551, 29.8889 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, 140)` looks like.

```
.text, #text, p{  
    color:rgb(128, 166, 140)  
}
```

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, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 166, 140) }
```

Border

The CSS property to change the border of an element to XYZ 27.2719, 33.7551, 29.8889 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, 140) }
```


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

```
.border{ border-color:rgb(128, 166, 140) }
```

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, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 166, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 166, 140);  
box-shadow:4px 4px 4px 4px rgb(128, 166,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2719, 33.7551, 29.8889 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, 140) }
```

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

```
.background{ background-color: rgb(128,  
166, 140) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor