

Converting Colors

XYZ(27.7700, 28.7184, 33.1752)

Have a look what the booklet for
XYZ(27.7700, 28.7184, 33.1752)
contains.

XYZ(27.7439, 28.6882, 33.3533)	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(27.7439, 28.6882,
33.3533)**

Conversions

Conversions Part 1

Format	Color
Hex	939197
RGB	147, 145, 151
RGB Percent	58%, 57%, 59%
CMY	0.4235, 0.4314, 0.4078
CMYK	0.03, 0.04, 0.00, 0.41
HSL	260°, 3%, 58%
HSV	260°, 4%, 59%
XYZ	27.7439, 28.6882, 33.3533
YIQ	146.2820, -0.7340, 2.2900

Conversions

Conversions Part 2

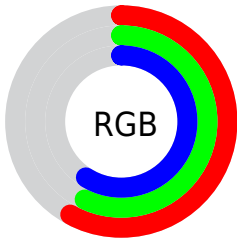
Format	Color
RYB	147, 145, 151
Decimal	9671063
CIELab	60.51, 1.91, -2.91
CIELCh	61, 3.485, 303.242
Yxy	28.6882, 0.3090, 0.3195
Android (android.graphics.Color)	4287861143 (0xFF939197)
YUV	146.2820, 2.3260, 0.6297
Hunter-Lab	53.5614, -1.2724, 0.5724

Details

The XYZ color **27.7439, 28.6882, 33.3533** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.5730, 30.5679, 31.1838**, and the grayscale version is **27.4289, 28.8574, 31.4257**.

A 20% lighter version of the original color is **55.5303, 57.6721, 65.9627**, and **11.2163, 11.5913, 13.7028** is the 20% darker color. If you saturate the color by 10%, you get **23.8607, 23.4864, 32.5543**, and if you desaturate by 10%, it is **32.0936, 34.5874, 34.2631**.

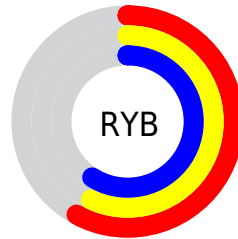
Distribution



Red (58%)

Green (57%)

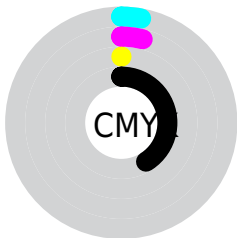
Blue (59%)



Red (58%)

Yellow (57%)

Blue (59%)

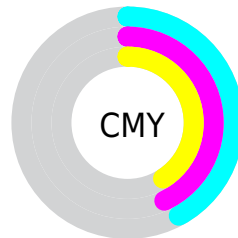


Cyan (3%)

Magenta (4%)

Yellow (0%)

Black (41%)



Cyan (42%)

Magenta (43%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7439, 28.6882, 33.3533 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 27.7439, 28.6882, 33.3533 by changing the saturation by 10% instead.

■ 27.7439, 28.6882,
33.3533

■ 27.7439, 28.6882,
33.3533

283.3435,
295.7409, 331.9194

■ 18.2722, 18.8451,
22.1239

■ 55.4868, 57.5813,
66.0491

■ 11.2464, 11.5584,
13.7488

■ 74.4887, 77.4001,
88.3525

■ 6.3014, 6.4437,
7.8094

97.3980, 101.3129,
115.1844

■ 3.0716, 3.1167,
3.8872

124.5801,
129.7041, 146.9633

■ 1.1917, 1.1930,
1.5637

156.4004,
162.9582, 184.1077

■ 0.0998, 0.0560,
0.2647

193.2241,

■ 0.0000, 0.0000,

201.4594, 227.0362

0.0000

235.4167,
245.5922, 276.1672

■ 27.7439, 28.6882,
33.3533

■ 27.7439, 28.6882,
33.3533

■ 23.8607, 23.4864,
32.5543

■ 32.0936, 34.5874,
34.2631

■ 20.4255, 18.9522,
31.8602

■ 36.9225, 41.2050,
35.2859

■ 17.4221, 15.0590,
31.2671

■ 42.2460, 48.5656,
36.4261

■ 14.8325, 11.7772,
30.7701

■ 48.0780, 56.6917,
37.6872

■ 12.6370, 9.0746,
30.3641

■ 54.4318, 65.6047,
39.0727

■ 10.8145, 6.9160,
30.0436

■ 61.3203, 75.3252,
40.5859

■ 9.3418, 5.2624,
29.8020

■ 68.7557, 85.8730,
42.2300

■ 8.1925, 4.0692,
29.6323

■ 73.2059, 90.1788,
42.8265

■ 7.3357, 3.2831,
29.5257

■ 76.4870, 91.8703,
42.9801

Harmonies

Analogous

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



27.3162, 28.6882, 33.7741



27.7439, 28.6882, 33.3533



28.0465, 28.6882, 32.3645

Triad

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



27.7439, 28.6882, 33.3533



27.6583, 28.6882, 29.0777



26.4133, 28.6882, 31.3768

Complementary

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



27.7439, 28.6882, 33.3533



28.5730, 30.5679, 31.1838

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.



26.5026, 28.6882, 30.1351



27.7439, 28.6882, 33.3533



27.2184, 28.6882, 28.8294

Square

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



27.7439, 28.6882, 33.3533



27.9967, 28.6882, 29.8990



26.7961, 28.6882, 29.2114



26.5506, 28.6882, 32.6135

Rectangle

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



27.7439, 28.6882, 33.3533



28.1348, 28.6882, 31.5288



26.7961, 28.6882, 29.2114



26.4178, 28.6882, 30.9461

Sweetspot

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



27.7447, 28.6894, 33.3539



51.8977, 54.3648, 60.1918



28.0273, 29.7816, 33.5499



11.8064, 12.3710, 13.6831



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



27.7447, 28.6894, 33.3539



48.8607, 50.2657, 59.5607



28.2715, 28.9610, 33.3786



6.4145, 6.5855, 7.8620



5.9108, 2.4982, 25.0784



0.1242, 0.0558, 0.3766

Inverse Universe

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



28.3138, 29.0014, 32.5409



50.1621, 50.9792, 57.6954



28.0503, 30.2985, 31.1593



6.6009, 6.6878, 7.5945



12.8574, 6.3972, 11.0402



0.2089, 0.1023, 0.2529

Previews

White Background



This preview shows how the XYZ color 27.7439, 28.6882, 33.3533 looks on a white background.

Color Contrast Check

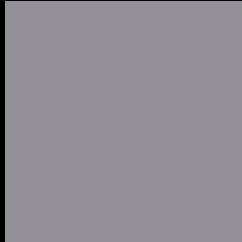
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7439, 28.6882, 33.3533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

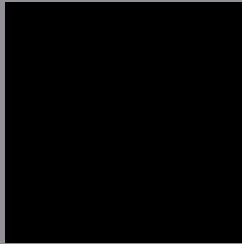
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.7439, 28.6882, 33.3533

Background



This preview shows how black text looks on a background with the XYZ color 27.7439, 28.6882, 33.3533.



This preview shows how white text looks on a background with the XYZ color 27.7439, 28.6882,

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

27.7439, 28.6882, 33.3533

Protanopia

27.7439, 28.6882, 33.3533

Deuteranopia

29.0970, 28.4848, 33.6703



Tritanopia

28.1868, 28.6427, 35.4955

Trichromacy



Original Color

27.7439, 28.6882, 33.3533

Protanomaly

27.7439, 28.6882, 33.3533

Deuteranomaly

28.4774, 28.3853, 33.6838

Tritanomaly

28.0187, 28.5755, 34.6107

Monochromacy



Original Color

27.7439, 28.6882, 33.3533

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.4782, 28.8069, 32.1290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7439, 28.6882, 33.3533 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(147, 145, 151)` looks like.

```
.text, #text, p{  
    color:rgb(147, 145, 151)  
}
```

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(147, 145, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 145, 151) }
```

Border

The CSS property to change the border of an element to XYZ 27.7439, 28.6882, 33.3533 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(147, 145, 151) }
```


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

```
.border{ border-color:rgb(147, 145, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 145, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 145, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 145, 151);  
box-shadow:4px 4px 4px 4px rgb(147, 145,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7439, 28.6882, 33.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 145, 151) }
```

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

```
.background{ background-color: rgb(147,  
145, 151) }
```

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