

Converting Colors

XYZ(27.2451, 34.5571, 42.7703)

Have a look what the booklet for
XYZ(27.2451, 34.5571, 42.7703)
contains.

XYZ(27.2451, 34.5571, 42.7703)	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(27.2451, 34.5571,
42.7703)**

Conversions

Conversions Part 1

Format	Color
Hex	68AAA9
RGB	104, 170, 169
RGB Percent	41%, 67%, 66%
CMY	0.5921, 0.3333, 0.3373
CMYK	0.39, 0.00, 0.01, 0.33
HSL	179°, 28%, 54%
HSV	179°, 39%, 67%
XYZ	27.2451, 34.5571, 42.7703
YIQ	150.1520, -39.0150, -14.3030

Conversions

Conversions Part 2

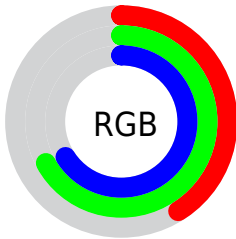
Format	Color
RYB	104, 137, 170
Decimal	6859433
CIELab	65.40, -21.20, -6.12
CIELCh	65, 22.064, 196.115
Yxy	34.5571, 0.2605, 0.3305
Android (android.graphics.Color)	4285049513 (0xFF68AAA9)
YUV	150.1520, 9.2921, -40.4753
Hunter-Lab	58.7853, -20.1452, -1.9878

Details

The XYZ color **27.2451, 34.5571, 42.7703** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.0789, 19.4677, 15.8545**, and the grayscale version is **29.0285, 30.5402, 33.2583**.

A 20% lighter version of the original color is **54.4803, 66.5013, 80.4856**, and **11.0047, 14.9193, 19.1293** is the 20% darker color. If you saturate the color by 10%, you get **25.4434, 33.6319, 42.5604**, and if you desaturate by 10%, it is **29.4467, 35.6901, 43.0007**.

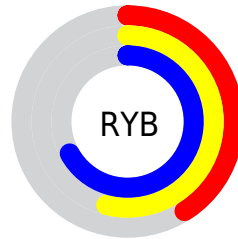
Distribution



Red (41%)

Green (67%)

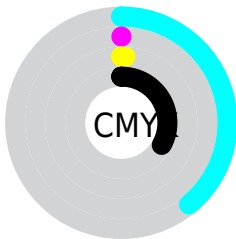
Blue (66%)



Red (41%)

Yellow (54%)

Blue (67%)

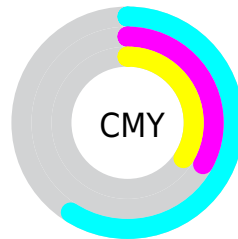


Cyan (39%)

Magenta (0%)

Yellow (1%)

Black (33%)



Cyan (59%)

Magenta (33%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2451, 34.5571, 42.7703 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 27.2451, 34.5571, 42.7703 by changing the saturation by 10% instead.

■ 27.2451, 34.5571,
42.7703

■ 27.2451, 34.5571,
42.7703

280.9879,
322.6091, 373.5597

■ 17.8949, 23.3219,
29.3749

■ 54.6940, 66.7991,
80.6468

■ 10.9738, 14.8314,
19.1166

■ 73.5235, 88.5746,
105.9649

■ 6.1164, 8.7011,
11.5769

■ 96.2435, 114.6325,
136.0943

■ 2.9573, 4.5468,
6.3372

■ 123.2193,
145.3569, 171.4535

■ 1.1312, 1.9839,
2.9791

154.8162,
181.1324, 212.4611

■ 0.0510, 0.5981,
1.0840

191.3998,

■ 0.0000, 0.0000,

222.3433, 259.5357

0.0000

233.3352,
269.3741, 313.0957

■ 27.2451, 34.5571,
42.7703

■ 27.2451, 34.5571,
42.7703

■ 25.4434, 33.6319,
42.5604

■ 29.4467, 35.6901,
43.0007

■ 24.0144, 32.8981,
42.3674

■ 32.0673, 37.0382,
43.2502

■ 22.9327, 32.3432,
42.1909

■ 35.1281, 38.6134,
43.5206

■ 22.1679, 31.9517,
42.0295

■ 38.6484, 40.4253,
43.8127

■ 21.6848, 31.7055,
41.8815

■ 42.6460, 42.4833,
44.1274

■ 21.4173, 31.5703,
41.7439

■ 47.1381, 44.7963,
44.4655

■ 21.3895, 31.5563,
41.7278

■ 52.1407, 47.3724,
44.8277

■ 57.6693, 50.2196,
45.2148

■ 62.9969, 52.9633,
45.5928

Harmonies

Analogous

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



27.1901, 34.5571, 33.5269



27.2451, 34.5571, 42.7703



28.7347, 34.5571, 51.9203

Triad

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



27.2451, 34.5571, 42.7703



37.5167, 34.5571, 51.3176



34.3550, 34.5571, 22.8952

Complementary

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



27.2451, 34.5571, 42.7703



24.0789, 19.4677, 15.8545

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.



37.3308, 34.5571, 26.2315



27.2451, 34.5571, 42.7703



39.2353, 34.5571, 42.0481

Square

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



27.2451, 34.5571, 42.7703



34.5955, 34.5571, 57.3795



39.1651, 34.5571, 32.9132



31.1555, 34.5571, 23.0237

Rectangle

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



27.2451, 34.5571, 42.7703



30.3999, 34.5571, 56.2966



39.1651, 34.5571, 32.9132



35.4188, 34.5571, 23.6216

Sweetspot

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



27.2461, 34.5585, 42.7711



61.7567, 69.0397, 78.7895



22.7120, 32.7597, 18.2237



13.6146, 15.3151, 17.5566



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.



27.2461, 34.5585, 42.7711



46.4495, 61.1666, 77.2539



22.0685, 24.0522, 41.5111



7.7426, 8.5301, 9.6305



15.7357, 23.2130, 30.7047



0.3843, 0.5654, 0.7549

Inverse Universe

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



24.0789, 19.4677, 15.8545



39.8470, 29.7000, 21.1368



27.8676, 27.1270, 16.8648



7.5356, 7.5441, 7.8715



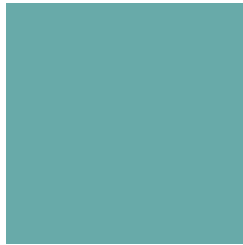
12.2070, 6.2915, 0.6355



0.2984, 0.1536, 0.0228

Previews

White Background



This preview shows how the XYZ color 27.2451, 34.5571, 42.7703 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 27.2451, 34.5571, 42.7703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

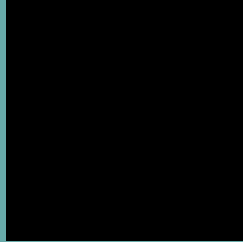
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.2451, 34.5571, 42.7703

Background



This preview shows how black text looks on a background with the XYZ color 27.2451, 34.5571, 42.7703.

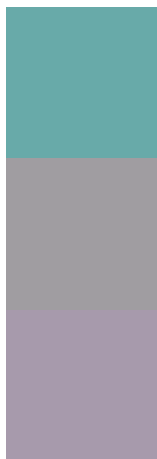


This preview shows how white text looks on a background with the XYZ color 27.2451, 34.5571,

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

27.2451, 34.5571, 42.7703

Protanopia

32.9872, 34.1607, 38.5733

Deuteranopia

34.9383, 34.3052, 43.8099



Tritanopia

28.5095, 34.5085, 49.4142

Trichromacy



Original Color

27.2451, 34.5571, 42.7703

Protanomaly

30.4364, 34.0964, 40.0991

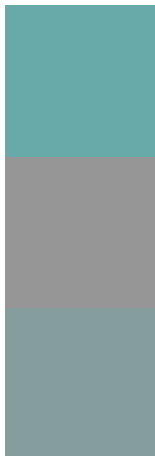
Deuteranomaly

31.4231, 34.0112, 43.4367

Tritanomaly

28.0676, 34.6144, 46.7969

Monochromacy



Original Color

27.2451, 34.5571, 42.7703

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

27.8156, 31.5348, 36.5191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2451, 34.5571, 42.7703 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(104, 170, 169)` looks like.

```
.text, #text, p{  
    color:rgb(104, 170, 169)  
}
```

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(104, 170, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 170, 169) }
```

Border

The CSS property to change the border of an element to XYZ 27.2451, 34.5571, 42.7703 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(104, 170, 169) }
```


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

```
.border{ border-color:rgb(104, 170, 169) }
```

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

Here you see how a box with a 4 pixel rgb(104, 170, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 170, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 170, 169);  
box-shadow:4px 4px 4px 4px rgb(104, 170,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2451, 34.5571, 42.7703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 170, 169) }
```

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

```
.background{ background-color: rgb(104,  
170, 169) }
```

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