

Converting Colors

XYZ(27.7566, 33.1318, 59.0903)

Have a look what the booklet for
XYZ(27.7566, 33.1318, 59.0903)
contains.

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Color

**XYZ(27.6944, 33.0600,
58.9544)**

Conversions

Conversions Part 1

Format	Color
Hex	57A5C7
RGB	87, 165, 199
RGB Percent	34%, 65%, 78%
CMY	0.6588, 0.3529, 0.2196
CMYK	0.56, 0.17, 0.00, 0.22
HSL	198°, 50%, 56%
HSV	198°, 56%, 78%
XYZ	27.6944, 33.0600, 58.9544
YIQ	145.5540, -57.4020, -5.9620

Conversions

Conversions Part 2

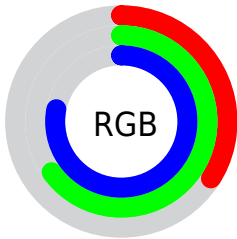
Format	Color
R _Y B	87, 133, 199
Decimal	5744071
CIE Lab	64.21, -14.25, -24.72
CIE LCh	64, 28.533, 240.032
Yxy	33.0600, 0.2313, 0.2762
Android (android.graphics.Color)	4283934151 (0xFF57A5C7)
YUV	145.5540, 26.3489, -51.3519
Hunter-Lab	57.4978, -14.6449, -20.5435

Details

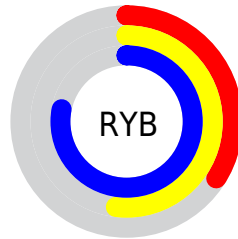
The XYZ color **27.6944, 33.0600, 58.9544** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **32.1118, 26.5062, 12.4417**, and the grayscale version is **27.0529, 28.4618, 30.9948**.

A 20% lighter version of the original color is **55.3203, 64.4261, 104.1275**, and **11.1971, 13.9480, 28.8901** is the 20% darker color. If you saturate the color by 10%, you get **25.0224, 30.1036, 58.5252**, and if you desaturate by 10%, it is **30.9321, 36.3858, 59.4263**.

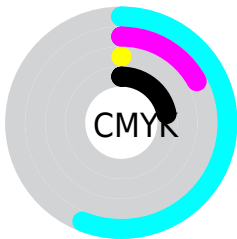
Distribution



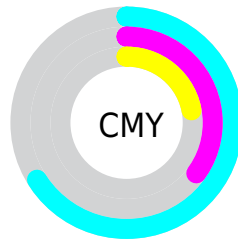
- Red (34%)
- Green (65%)
- Blue (78%)



- Red (34%)
- Yellow (52%)
- Blue (78%)



- Cyan (56%)
- Magenta (17%)
- Yellow (0%)
- Black (22%)



- Cyan (66%)
- Magenta (35%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6944, 33.0600, 58.9544 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 27.6944, 33.0600, 58.9544 by changing the saturation by 10% instead.

■ 27.6944, 33.0600,
58.9544

■ 27.6944, 33.0600,
58.9544

283.1104,
315.9200, 438.4301

■ 18.2347, 22.1724,
42.1566

■ 55.4082, 64.4692,
104.8399

■ 11.2193, 13.9836,
28.8975

■ 74.3931, 85.7596,
134.7646

■ 6.2829, 8.1093,
18.7584

■ 97.2837, 111.2864,
169.9022

■ 3.0602, 4.1650,
11.3208

■ 124.4454,
141.4339, 210.6710

■ 1.1857, 1.7663,
6.1661

156.2435,
176.5867, 257.4897

■ 0.0950, 0.4660,
2.8759

193.0435,

■ 0.0000, 0.0000,

217.1290, 310.7767

1.0316

235.2107,
263.4453, 370.9507

■ 0.0000, 0.0000,
0.0000

■ 27.6944, 33.0600,
58.9544

■ 27.6944, 33.0600,
58.9544

■ 25.0224, 30.1036,
58.5252

■ 30.9321, 36.3858,
59.4263

■ 22.8689, 27.4892,
58.1341

■ 34.7713, 40.0984,
59.9406

■ 21.1840, 25.1906,
57.7792

■ 39.2483, 44.2183,
60.4998

■ 19.9026, 23.1734,
57.4574

■ 44.3956, 48.7632,
61.1058

■ 19.4823, 22.4703,
57.3438

■ 50.2435, 53.7496,
61.7600

■ 56.8201, 59.1930,
62.4641

■ 64.1522, 65.1082,
63.2194

■ 72.2650, 71.5090,
64.0273

■ 76.9777, 76.2410,
64.6923

Harmonies

Analogous

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



25.1570, 33.0600, 48.3391



27.6944, 33.0600, 58.9544



31.4269, 33.0600, 63.1909

Triad

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



27.6944, 33.0600, 58.9544



39.8621, 33.0600, 35.9842



27.6874, 33.0600, 19.9476

Complementary

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



27.6944, 33.0600, 58.9544



32.1118, 26.5062, 12.4417

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.



31.4182, 33.0600, 17.9967



27.6944, 33.0600, 58.9544



38.6506, 33.0600, 25.9573

Square

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



27.6944, 33.0600, 58.9544



38.6556, 33.0600, 48.3128



35.4711, 33.0600, 19.9391



25.1532, 33.0600, 25.9747

Rectangle

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



27.6944, 33.0600, 58.9544



34.1636, 33.0600, 61.2495



35.4711, 33.0600, 19.9391



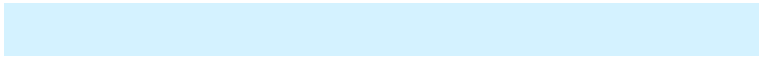
28.8322, 33.0600, 18.8593

Sweetspot

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



27.6955, 33.0612, 58.9552



76.8052, 84.5743, 106.8841



27.7816, 44.2446, 25.0380



16.0304, 17.7452, 22.8302



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



27.6955, 33.0612, 58.9552



42.7003, 51.4066, 102.2797



19.7518, 17.1739, 56.3073



10.6645, 11.5030, 13.5757



12.6075, 14.6090, 36.8997



0.6586, 0.8149, 1.7677

Inverse Universe

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



33.7538, 21.6762, 38.0034



54.9307, 31.5158, 59.2894



40.9176, 44.1177, 15.3770



10.9407, 10.7597, 12.6708



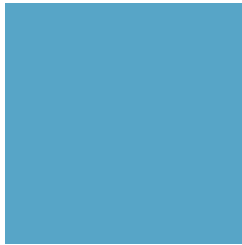
18.1630, 9.0148, 16.6002



0.8911, 0.4393, 0.9498

Previews

White Background



This preview shows how the XYZ color 27.6944, 33.0600, 58.9544 looks on a white background.

Color Contrast Check

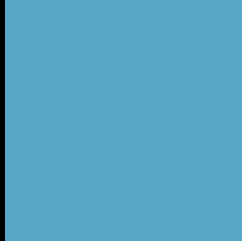
Large Text (above 18pt) WCAG AA × Fail

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 27.6944, 33.0600, 58.9544 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 27.6944, 33.0600, 58.9544

Background



This preview shows how black text looks on a background with the XYZ color 27.6944, 33.0600, 58.9544.

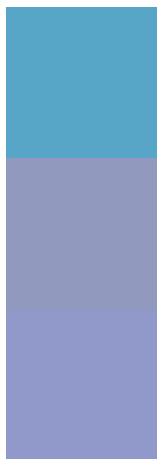


This preview shows how white text looks on a background with the XYZ color 27.6944, 33.0600,

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

27.6944, 33.0600, 58.9544

Protanopia

32.6493, 32.6550, 53.8725

Deuteranopia

33.5660, 32.7405, 60.4275



Tritanopia

25.7544, 33.0881, 49.2852

Trichromacy



Original Color

27.6944, 33.0600, 58.9544

Protanomaly

30.2520, 32.3690, 55.6923

Deuteranomaly

30.9118, 32.6161, 59.9246

Tritanomaly

26.4631, 33.1073, 52.5725

Monochromacy



Original Color

27.6944, 33.0600, 58.9544

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

26.6402, 29.8591, 39.9566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6944, 33.0600, 58.9544 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(87, 165, 199)` looks like.

```
.text, #text, p{  
    color:rgb(87, 165, 199)  
}
```

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(87, 165, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 165, 199) }
```

Border

The CSS property to change the border of an element to XYZ 27.6944, 33.0600, 58.9544 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(87, 165, 199) }
```


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

```
.border{ border-color:rgb(87, 165, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 165, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 165, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 165, 199);  
box-shadow:4px 4px 4px 4px rgb(87, 165,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6944, 33.0600, 58.9544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 165, 199) }
```

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

```
.background{ background-color: rgb(87, 165,  
199) }
```

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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