

Converting Colors

XYZ(27.9668, 29.4193, 79.8058)

Have a look what the booklet for
XYZ(27.9668, 29.4193, 79.8058)
contains.

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Color

**XYZ(27.9668, 29.4193,
79.8058)**

Conversions

Conversions Part 1

Format	Color
Hex	4398E7
RGB	67, 152, 231
RGB Percent	26%, 60%, 91%
CMY	0.7372, 0.4039, 0.0941
CMYK	0.71, 0.34, 0.00, 0.09
HSL	209°, 77%, 58%
HSV	209°, 71%, 91%
XYZ	27.9668, 29.4193, 79.8058
YIQ	135.5910, -76.0190, 6.5490

Conversions

Conversions Part 2

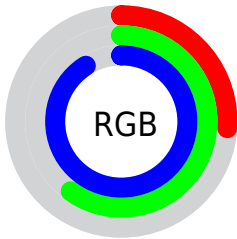
Format	Color
R _{YB}	67, 123, 231
Decimal	4430055
CIE Lab	61.15, 0.02, -47.31
CIE LCh	61, 47.307, 270.022
Yxy	29.4193, 0.2039, 0.2144
Android (android.graphics.Color)	4282620135 (0xFF4398E7)
YUV	135.5910, 47.0366, -60.1543
Hunter-Lab	54.2396, -2.8817, -49.2691

Details

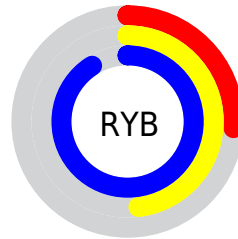
The XYZ color **27.9668, 29.4193, 79.8058** is a light color, and the websafe version is hex **0099FF**. The color can be described as light muted azure. A complement of this color would be **44.2492, 37.9554, 10.3059**, and the grayscale version is **23.1010, 24.3040, 26.4671**.

A 20% lighter version of the original color is **49.7942, 56.3492, 102.8598**, and **12.4892, 12.5979, 42.3308** is the 20% darker color. If you saturate the color by 10%, you get **24.9651, 25.3156, 79.1725**, and if you desaturate by 10%, it is **31.7714, 34.1893, 80.5266**.

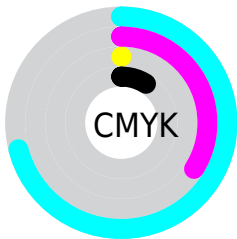
Distribution



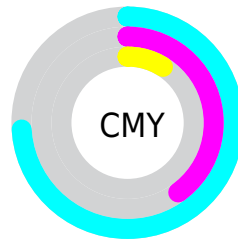
- Red (26%)
- Green (60%)
- Blue (91%)



- Red (26%)
- Yellow (48%)
- Blue (91%)



- Cyan (71%)
- Magenta (34%)
- Yellow (0%)
- Black (9%)



- Cyan (74%)
- Magenta (40%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9668, 29.4193, 79.8058 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 27.9668, 29.4193, 79.8058 by changing the saturation by 10% instead.

■ 27.9668, 29.4193,
79.8058

■ 27.9668, 29.4193,
79.8058

284.3912,
299.1882, 513.9676

■ 18.4410, 19.3982,
59.0333

■ 55.8404, 58.7426,
134.9016

■ 11.3686, 11.9584,
42.2198

■ 74.9190, 78.8137,
170.0620

■ 6.3845, 6.7154,
28.9466

■ 97.9124, 103.0035,
210.8555

■ 3.1231, 3.2847,
18.7952

■ 125.1862,
131.6965, 257.7005

■ 1.2192, 1.2821,
11.3470

157.1056,
165.2771, 311.0157

■ 0.1214, 0.1273,
6.1837

194.0360,

■ 0.0000, 0.0000,

204.1296, 371.2196

2.8865

236.3427,
248.6385, 438.7307

■ 0.0000, 0.0000,
1.0370

■ 0.0000, 0.0000,
0.0000

■ 27.9668, 29.4193,
79.8058

■ 27.9668, 29.4193,
79.8058

■ 24.9651, 25.3156,
79.1725

■ 31.7714, 34.1893,
80.5266

■ 22.6780, 21.8246,
78.6192

■ 36.4471, 39.6661,
81.3373

■ 21.1068, 19.1353,
78.1830

■ 42.0577, 45.8895,
82.2428

■ 48.6598, 52.8947,
83.2470

■ 56.3050, 60.7144,
84.3534

■ 65.0414, 69.3790,
85.5654

■ 74.9136, 78.9171,
86.8861

■ 85.9637, 89.3560,
88.3186

■ 90.5228, 96.7473,
89.5050

Harmonies

Analogous

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



22.4132, 29.4193, 71.6945



27.9668, 29.4193, 79.8058



34.3681, 29.4193, 71.6718

Triad

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



27.9668, 29.4193, 79.8058



39.6196, 29.4193, 17.7949



18.8465, 29.4193, 17.8105

Complementary

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



27.9668, 29.4193, 79.8058



44.2492, 37.9554, 10.3059

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.



22.4062, 29.4193, 10.6179



27.9668, 29.4193, 79.8058



34.3589, 29.4193, 10.6115

Square

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



27.9668, 29.4193, 79.8058



41.6740, 29.4193, 32.0193



27.9575, 29.4193, 8.5696



17.6457, 29.4193, 32.0459

Rectangle

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



27.9668, 29.4193, 79.8058



38.1400, 29.4193, 59.3908



27.9575, 29.4193, 8.5696



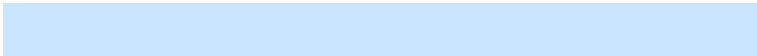
19.7781, 29.4193, 14.7095

Sweetspot

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



27.9679, 29.4203, 79.8066



70.3341, 75.8511, 105.5415



35.8906, 60.3456, 35.9577



14.4581, 15.6322, 22.5052



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.



27.9679, 29.4203, 79.8066



29.8584, 29.6365, 98.7545



19.0878, 11.6600, 76.8465



14.1976, 15.1166, 18.3138



11.9577, 10.9776, 43.8718



0.9766, 0.9971, 3.2730

Inverse Universe

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



40.6307, 23.2717, 32.0569



47.4934, 24.8832, 31.4013



61.0387, 71.5343, 15.9024



14.6873, 14.4921, 16.5539



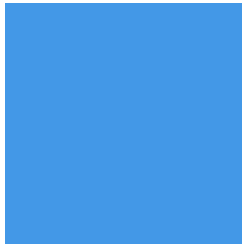
20.4292, 10.3059, 11.1552



1.5566, 0.7803, 1.0713

Previews

White Background



This preview shows how the XYZ color 27.9668, 29.4193, 79.8058 looks on a white background.

Color Contrast Check

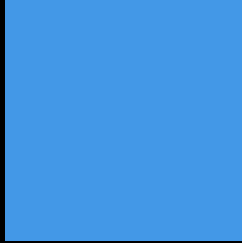
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9668, 29.4193, 79.8058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

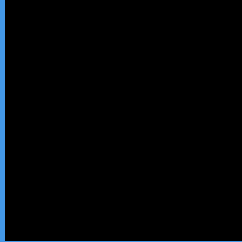
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.9668, 29.4193, 79.8058

Background



This preview shows how black text looks on a background with the XYZ color 27.9668, 29.4193, 79.8058.

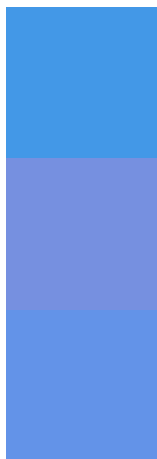


This preview shows how white text looks on a background with the XYZ color 27.9668, 29.4193,

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

27.9668, 29.4193, 79.8058

Protanopia

30.8990, 29.1799, 74.5247

Deuteranopia

30.1448, 29.3463, 80.4195



Tritanopia

21.0088, 29.3677, 45.6355

Trichromacy



Original Color

27.9668, 29.4193, 79.8058

Protanomaly

29.4444, 29.0661, 76.7315

Deuteranomaly

29.2434, 29.3473, 80.4672

Tritanomaly

22.8408, 29.0287, 56.6238

Monochromacy



Original Color

27.9668, 29.4193, 79.8058

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.5792, 25.6658, 42.2393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9668, 29.4193, 79.8058 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(67, 152, 231)` looks like.

```
.text, #text, p{  
    color:rgb(67, 152, 231)  
}
```

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(67, 152, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 152, 231) }
```

Border

The CSS property to change the border of an element to XYZ 27.9668, 29.4193, 79.8058 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(67, 152, 231) }
```


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

```
.border{ border-color:rgb(67, 152, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 152, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 152, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 152, 231);  
box-shadow:4px 4px 4px 4px rgb(67, 152,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9668, 29.4193, 79.8058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 152, 231) }
```

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

```
.background{ background-color: rgb(67, 152,  
231) }
```

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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