

Converting Colors

XYZ(29.7063, 31.1126, 77.1127)

Have a look what the booklet for
XYZ(29.7063, 31.1126, 77.1127)
contains.

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Color

**XYZ(29.7063, 31.1126,
77.1127)**

Conversions

Conversions Part 1

Format	Color
Hex	599BE3
RGB	89, 155, 227
RGB Percent	35%, 61%, 89%
CMY	0.6510, 0.3921, 0.1098
CMYK	0.61, 0.32, 0.00, 0.11
HSL	211°, 71%, 62%
HSV	211°, 61%, 89%
XYZ	29.7063, 31.1126, 77.1127
YIQ	143.4740, -62.4480, 8.4000

Conversions

Conversions Part 2

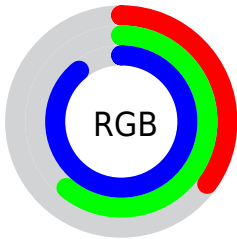
Format	Color
R _Y B	89, 134, 227
Decimal	5872611
CIE Lab	62.60, 0.51, -42.75
CIE LCh	63, 42.754, 270.688
Yxy	31.1126, 0.2154, 0.2256
Android (android.graphics.Color)	4284062691 (0xFF599BE3)
YUV	143.4740, 41.1783, -47.7737
Hunter-Lab	55.7787, -2.5481, -42.9220

Details

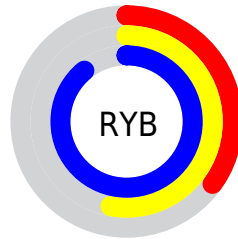
The XYZ color **29.7063, 31.1126, 77.1127** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **46.2282, 42.5443, 15.2282**, and the grayscale version is **26.1574, 27.5196, 29.9688**.

A 20% lighter version of the original color is **53.2449, 59.2105, 103.2302**, and **12.3010, 12.8409, 40.3583** is the 20% darker color. If you saturate the color by 10%, you get **25.9790, 26.4075, 76.4016**, and if you desaturate by 10%, it is **34.3007, 36.5527, 77.9212**.

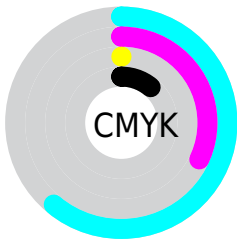
Distribution



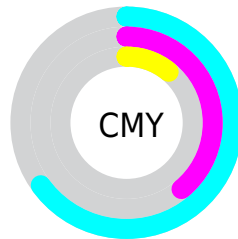
- Red (35%)
- Green (61%)
- Blue (89%)



- Red (35%)
- Yellow (53%)
- Blue (89%)



- Cyan (61%)
- Magenta (32%)
- Yellow (0%)
- Black (11%)



- Cyan (65%)
- Magenta (39%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7063, 31.1126, 77.1127 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 29.7063, 31.1126, 77.1127 by changing the saturation by 10% instead.

■ 29.7063, 31.1126,
77.1127

■ 29.7063, 31.1126,
77.1127

292.4675,
307.0567, 504.5961

■ 19.7627, 20.6846,
56.8333

■ 58.5872, 61.4173,
131.0730

■ 12.3299, 12.8937,
40.4629

■ 78.2553, 82.0628,
165.5910

■ 7.0426, 7.3554,
27.5831

■ 101.8956,
106.8829, 205.6922

■ 3.5353, 3.6853,
17.7754

■ 129.8734,
136.2621, 251.7952

■ 1.4428, 1.4991,
10.6211

162.5542,
170.5846, 304.3186

■ 0.2864, 0.2881,
5.7017

200.3032,

■ 0.0000, 0.0000,

210.2350, 363.6808

2.5987

243.4858,
255.5976, 430.3005

■ 0.0000, 0.0000,
0.8918

■ 0.0000, 0.0000,
0.0000

■ 29.7063, 31.1126,
77.1127

■ 29.7063, 31.1126,
77.1127

■ 25.9790, 26.4075,
76.4016

■ 34.3007, 36.5527,
77.9212

■ 23.0457, 22.3901,
75.7808

■ 39.8198, 42.7640,
78.8292

■ 20.8255, 19.0104,
75.2454

■ 46.3201, 49.7835,
79.8415

■ 19.2873, 16.3902,
74.8208

■ 53.8521, 57.6448,
80.9619

■ 62.4626, 66.3789,
82.1940

■ 72.1955, 76.0153,
83.5410

■ 83.0921, 86.5819,
85.0062

■ 89.2142, 95.0240,
86.3131

■ 90.8653, 98.3261,
86.8634

Harmonies

Analogous

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



24.4226, 31.1126, 70.2292



29.7063, 31.1126, 77.1127



35.6611, 31.1126, 69.6047

Triad

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



29.7063, 31.1126, 77.1127



40.2814, 31.1126, 20.0062



20.8446, 31.1126, 20.4796

Complementary

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



29.7063, 31.1126, 77.1127



46.2282, 42.5443, 15.2282

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.



24.2181, 31.1126, 13.1083



29.7063, 31.1126, 77.1127



35.3978, 31.1126, 12.9048

Square

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



29.7063, 31.1126, 77.1127



42.2378, 31.1126, 33.4926



29.4373, 31.1126, 10.8667



19.7304, 31.1126, 34.2630

Rectangle

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



29.7063, 31.1126, 77.1127



39.1066, 31.1126, 58.5190



29.4373, 31.1126, 10.8667



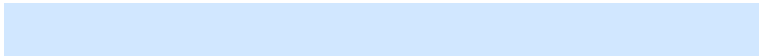
21.7280, 31.1126, 17.3533

Sweetspot

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



29.7075, 31.1137, 77.1135



72.9631, 77.9705, 105.8120



37.9616, 59.6116, 42.9027



14.9484, 16.0035, 22.5511



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.



29.7075, 31.1137, 77.1135



32.6992, 32.8909, 99.2329



21.7830, 14.9318, 74.4077



14.1486, 15.0187, 18.2975



11.3636, 9.7894, 43.6738



0.9323, 0.9085, 3.2582

Inverse Universe

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



41.1684, 25.8436, 33.8297



49.5197, 27.9621, 35.0788



60.2310, 71.6196, 20.1022



14.6626, 14.4822, 16.4237



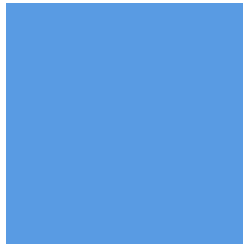
20.1293, 10.1860, 9.5761



1.5342, 0.7714, 0.9536

Previews

White Background



This preview shows how the XYZ color 29.7063, 31.1126, 77.1127 looks on a white background.

Color Contrast Check

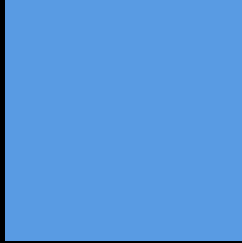
Large Text (above 18pt) WCAG AA × Fail

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 29.7063, 31.1126, 77.1127 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

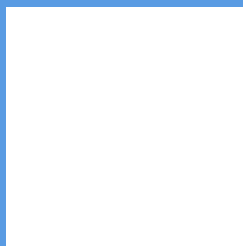
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7063, 31.1126, 77.1127

Background



This preview shows how black text looks on a background with the XYZ color 29.7063, 31.1126, 77.1127.

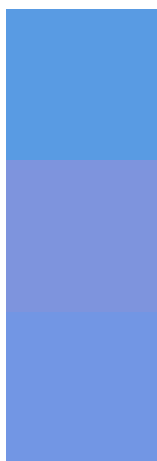


This preview shows how white text looks on a background with the XYZ color 29.7063, 31.1126,

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

29.7063, 31.1126, 77.1127

Protanopia

32.2452, 30.8359, 72.6590

Deuteranopia

31.8494, 30.9915, 77.7021



Tritanopia

23.7378, 31.2829, 46.9066

Trichromacy



Original Color

29.7063, 31.1126, 77.1127

Protanomaly

31.1959, 30.9716, 74.1460

Deuteranomaly

31.0575, 31.0612, 77.7573

Tritanomaly

25.5327, 30.9311, 56.8491

Monochromacy



Original Color

29.7063, 31.1126, 77.1127

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

26.2421, 28.1344, 44.0918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7063, 31.1126, 77.1127 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(89, 155, 227)` looks like.

```
.text, #text, p{  
    color:rgb(89, 155, 227)  
}
```

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(89, 155, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 155, 227) }
```

Border

The CSS property to change the border of an element to XYZ 29.7063, 31.1126, 77.1127 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(89, 155, 227) }
```


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

```
.border{ border-color:rgb(89, 155, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 155, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 155, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 155, 227);  
box-shadow:4px 4px 4px 4px rgb(89, 155,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7063, 31.1126, 77.1127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 155, 227) }
```

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

```
.background{ background-color: rgb(89, 155,  
227) }
```

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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