

Converting Colors

XYZ(29.2407, 31.1931, 76.9057)

Have a look what the booklet for
XYZ(29.2407, 31.1931, 76.9057)
contains.

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Color

**XYZ(29.2333, 31.1168,
77.1384)**

Conversions

Conversions Part 1

Format	Color
Hex	529CE3
RGB	82, 156, 227
RGB Percent	32%, 61%, 89%
CMY	0.6784, 0.3882, 0.1098
CMYK	0.64, 0.31, 0.00, 0.11
HSL	209°, 72%, 61%
HSV	209°, 64%, 89%
XYZ	29.2333, 31.1168, 77.1384
YIQ	141.9680, -66.8950, 6.3930

Conversions

Conversions Part 2

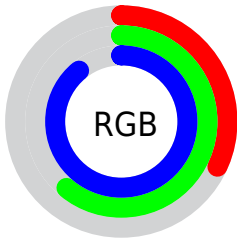
Format	Color
RYB	82, 131, 227
Decimal	5414115
CIELab	62.61, -1.31, -42.76
CIELCh	63, 42.785, 268.243
Yxy	31.1168, 0.2126, 0.2263
Android (android.graphics.Color)	4283604195 (0xFF529CE3)
YUV	141.9680, 41.9208, -52.5919
Hunter-Lab	55.7824, -4.0747, -42.9411

Details

The XYZ color **29.2333, 31.1168, 77.1384** 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 **44.5947, 39.7254, 13.3018**, and the grayscale version is **25.5583, 26.8894, 29.2825**.

A 20% lighter version of the original color is **52.4243, 59.1528, 103.2623**, and **12.4023, 13.0434, 40.3920** is the 20% darker color. If you saturate the color by 10%, you get **25.7952, 26.7014, 76.4680**, and if you desaturate by 10%, it is **33.4971, 36.2123, 77.8978**.

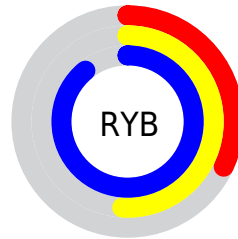
Distribution



Red (32%)

Green (61%)

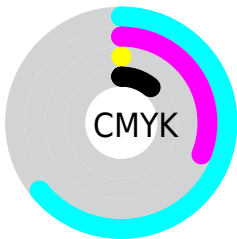
Blue (89%)



Red (32%)

Yellow (51%)

Blue (89%)

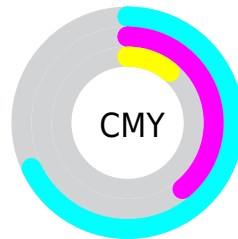


Cyan (64%)

Magenta (31%)

Yellow (0%)

Black (11%)



Cyan (68%)

Magenta (39%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2333, 31.1168, 77.1384 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 29.2333, 31.1168, 77.1384 by changing the saturation by 10% instead.

■ 29.2333, 31.1168,
77.1384

■ 29.2333, 31.1168,
77.1384

290.2885,
307.0761, 504.6860

■ 19.4025, 20.6878,
56.8542

■ 57.8425, 61.4239,
131.1096

■ 12.0672, 12.8960,
40.4796

■ 77.3517, 82.0708,
165.6338

■ 6.8620, 7.3570,
27.5961

■ 100.8178,
106.8925, 205.7416

■ 3.4215, 3.6863,
17.7850

■ 128.6061,
136.2733, 251.8518

■ 1.3804, 1.4997,
10.6279

161.0820,
170.5977, 304.3828

■ 0.2422, 0.2885,
5.7062

198.6107,

■ 0.0000, 0.0000,

210.2500, 363.7531

2.6014

241.5578,
255.6147, 430.3813

■ 0.0000, 0.0000,
0.8932

■ 0.0000, 0.0000,
0.0000

■ 29.2333, 31.1168,
77.1384

■ 29.2333, 31.1168,
77.1384

■ 25.7952, 26.7014,
76.4680

■ 33.4971, 36.2123,
77.8978

■ 23.1076, 22.9190,
75.8796

■ 38.6455, 42.0232,
78.7481

■ 21.0851, 19.7191,
75.3685

■ 44.7357, 48.5859,
79.6938

■ 20.0927, 18.0010,
75.0892

■ 51.8187, 55.9326,
80.7386

■ 59.9414, 64.0935,
81.8857

■ 69.1478, 73.0968,
83.1383

■ 79.4791, 82.9693,
84.4993

■ 87.7356, 92.0669,
85.8202

■ 90.8652, 98.3261,
86.8634

Harmonies

Analogous

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



24.0618, 31.1168, 69.1436



29.2333, 31.1168, 77.1384



35.2006, 31.1168, 70.7391

Triad

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



29.2333, 31.1168, 77.1384



40.5846, 31.1168, 20.8522



21.0352, 31.1168, 19.6430

Complementary

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



29.2333, 31.1168, 77.1384



44.5947, 39.7254, 13.3018

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.



24.5842, 31.1168, 12.7459



29.2333, 31.1168, 77.1384



35.8732, 31.1168, 13.2656

Square

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



29.2333, 31.1168, 77.1384



42.2474, 31.1168, 34.8745



29.9205, 31.1168, 10.8641



19.7307, 31.1168, 32.9063

Rectangle

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



29.2333, 31.1168, 77.1384



38.7456, 31.1168, 60.0584



29.9205, 31.1168, 10.8641



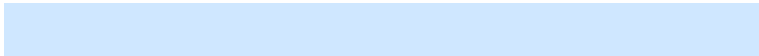
21.9802, 31.1168, 16.6891

Sweetspot

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



29.2345, 31.1179, 77.1392



72.3096, 77.7267, 105.7994



36.6245, 59.0028, 39.2021



14.8401, 15.9934, 22.5548



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.



29.2345, 31.1179, 77.1392



32.2057, 32.8846, 99.2577



20.5491, 13.7472, 74.2441



14.1879, 15.0972, 18.3106



11.8352, 10.7325, 43.8310



0.9675, 0.9790, 3.2699

Inverse Universe

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



40.6977, 24.7673, 34.0888



49.0312, 26.8501, 35.3320



60.0151, 70.5663, 18.4419



14.6824, 14.4902, 16.5280



20.3674, 10.2812, 10.8295



1.5520, 0.7785, 1.0473

Previews

White Background



This preview shows how the XYZ color 29.2333, 31.1168, 77.1384 looks on a white background.

Color Contrast Check

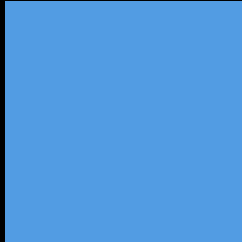
Large Text (above 18pt) WCAG AA × Fail

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 29.2333, 31.1168, 77.1384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

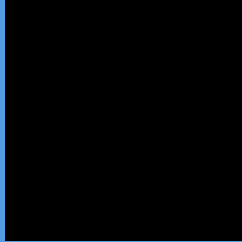
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.2333, 31.1168, 77.1384

Background



This preview shows how black text looks on a background with the XYZ color 29.2333, 31.1168, 77.1384.



This preview shows how white text looks on a background with the XYZ color 29.2333, 31.1168,

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

29.2333, 31.1168, 77.1384

Protanopia

32.2606, 30.8591, 71.9662

Deuteranopia

31.7200, 30.9248, 77.6961



Tritanopia

23.2227, 31.0057, 47.4086

Trichromacy



Original Color

29.2333, 31.1168, 77.1384

Protanomaly

30.9414, 30.8404, 74.1340

Deuteranomaly

30.7113, 30.8827, 77.7411

Tritanomaly

25.0641, 30.9500, 56.8775

Monochromacy



Original Color

29.2333, 31.1168, 77.1384

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

25.7223, 27.8776, 43.5604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2333, 31.1168, 77.1384 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(82, 156, 227)` looks like.

```
.text, #text, p{  
    color:rgb(82, 156, 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(82, 156, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 156, 227) }
```

Border

The CSS property to change the border of an element to XYZ 29.2333, 31.1168, 77.1384 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(82, 156, 227) }
```


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

```
.border{ border-color:rgb(82, 156, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 156, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 156, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 156, 227);  
box-shadow:4px 4px 4px 4px rgb(82, 156,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2333, 31.1168, 77.1384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 156, 227) }
```

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

```
.background{ background-color: rgb(82, 156,  
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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