

Converting Colors

XYZ(29.8529, 29.0469, 76.7062)

Have a look what the booklet for
XYZ(29.8529, 29.0469, 76.7062)
contains.

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Color

**XYZ(29.8529, 29.0469,
76.7062)**

Conversions

Conversions Part 1

Format	Color
Hex	6892E3
RGB	104, 146, 227
RGB Percent	41%, 57%, 89%
CMY	0.5921, 0.4274, 0.1098
CMYK	0.54, 0.36, 0.00, 0.11
HSL	220°, 69%, 65%
HSV	220°, 54%, 89%
XYZ	29.8529, 29.0469, 76.7062
YIQ	142.6760, -51.0330, 16.2870

Conversions

Conversions Part 2

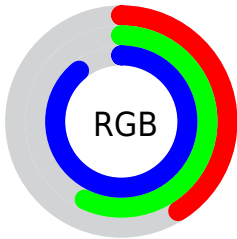
Format	Color
RYB	104, 135, 227
Decimal	6853347
CIELab	60.82, 8.74, -45.51
CIELCh	61, 46.338, 280.874
Yxy	29.0469, 0.2201, 0.2142
Android (android.graphics.Color)	4285043427 (0xFF6892E3)
YUV	142.6760, 41.5717, -33.9189
Hunter-Lab	53.8952, 4.5558, -46.6577

Details

The XYZ color **29.8529, 29.0469, 76.7062** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **51.5276, 52.0302, 20.4252**, and the grayscale version is **25.8348, 27.1802, 29.5992**.

A 20% lighter version of the original color is **53.6046, 56.2099, 102.6321**, and **12.4086, 11.7571, 40.1434** is the 20% darker color. If you saturate the color by 10%, you get **25.4082, 23.5558, 75.8812**, and if you desaturate by 10%, it is **35.3102, 35.5083, 77.6663**.

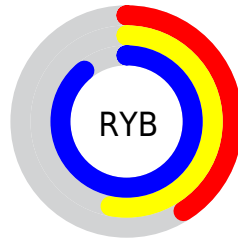
Distribution



Red (41%)

Green (57%)

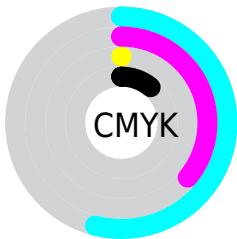
Blue (89%)



Red (41%)

Yellow (53%)

Blue (89%)

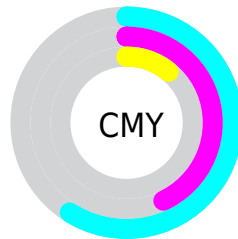


Cyan (54%)

Magenta (36%)

Yellow (0%)

Black (11%)



Cyan (59%)

Magenta (43%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8529, 29.0469, 76.7062 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 29.8529, 29.0469, 76.7062 by changing the saturation by 10% instead.

■ 29.8529, 29.0469,
76.7062

■ 29.8529, 29.0469,
76.7062

293.1403,
297.4362, 503.1728

■ 19.8745, 19.1163,
56.5017

■ 58.8177, 58.1516,
130.4939

■ 12.4116, 11.7543,
40.1986

■ 78.5348, 78.0945,
164.9141

■ 7.0988, 6.5766,
27.3784

■ 102.2288,
102.1436, 204.9100

■ 3.5709, 3.1988,
17.6227

■ 130.2651,
130.6833, 250.9000

■ 1.4623, 1.2364,
10.5128

163.0091,
164.0980, 303.3028

■ 0.3000, 0.0911,
5.6302

200.8260,

■ 0.0000, 0.0000,

202.7721, 362.5368

2.5565

244.0813,
247.0901, 429.0206

■ 0.0000, 0.0000,
0.8698

■ 0.0000, 0.0000,
0.0000

■ 29.8529, 29.0469,
76.7062

■ 29.8529, 29.0469,
76.7062

■ 25.4082, 23.5558,
75.8812

■ 35.3102, 35.5083,
77.6663

■ 21.9029, 18.9786,
75.1824

■ 41.8396, 42.9855,
78.7654

■ 19.2582, 15.2569,
74.6034

■ 49.4997, 51.5247,
80.0099

■ 17.3785, 12.3217,
74.1360

■ 58.3436, 61.1681,
81.4052

■ 16.5549, 10.9254,
73.9099

■ 68.4210, 71.9553,
82.9562

■ 79.7787, 83.9240,
84.6678

■ 89.4920, 95.5796,
86.4056

■ 90.8652, 98.3261,
86.8633

Harmonies

Analogous

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



23.9822, 29.0469, 74.4961



29.8529, 29.0469, 76.7062



35.9085, 29.0469, 63.9514

Triad

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



29.8529, 29.0469, 76.7062



37.3322, 29.0469, 14.4988



18.0418, 29.0469, 21.9504

Complementary

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



29.8529, 29.0469, 76.7062



51.5276, 52.0302, 20.4252

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.



20.6970, 29.0469, 12.5820



29.8529, 29.0469, 76.7062



31.5825, 29.0469, 9.4897

Square

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



29.8529, 29.0469, 76.7062



40.6261, 29.0469, 25.7694



25.4790, 29.0469, 8.9464



17.7187, 29.0469, 38.3114

Rectangle

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



29.8529, 29.0469, 76.7062



39.0209, 29.0469, 50.6907



25.4790, 29.0469, 8.9464



18.6708, 29.0469, 18.0657

Sweetspot

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



29.8540, 29.0479, 76.7069



73.6195, 77.1052, 105.6104



41.8256, 61.3407, 54.9567



15.2328, 15.9338, 22.5226



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.



29.8540, 29.0479, 76.7069



32.4489, 29.8663, 98.6623



26.9067, 19.6187, 75.0422



13.9831, 14.6876, 18.2423



9.7522, 6.5665, 43.1366



0.8045, 0.6529, 3.2156

Inverse Universe

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



41.8181, 28.3081, 30.4550



50.0095, 30.5169, 30.3856



56.1360, 69.4281, 23.5405



14.5791, 14.4488, 15.9838



19.3160, 9.8606, 5.2929



1.4697, 0.7456, 0.6139

Previews

White Background



This preview shows how the XYZ color 29.8529, 29.0469, 76.7062 looks on a white background.

Color Contrast Check

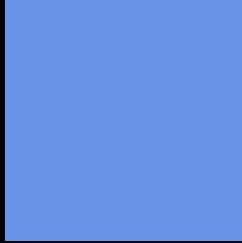
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8529, 29.0469, 76.7062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

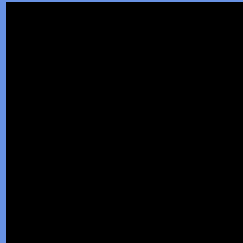
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

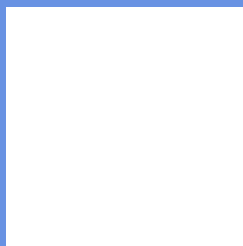
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8529, 29.0469, 76.7062

Background



This preview shows how black text looks on a background with the XYZ color 29.8529, 29.0469, 76.7062.

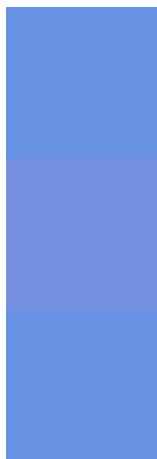


This preview shows how white text looks on a background with the XYZ color 29.8529, 29.0469,

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

29.8529, 29.0469, 76.7062

Protanopia

30.7492, 28.8631, 75.1846

Deuteranopia

29.8529, 29.0469, 76.7062



Tritanopia

23.0498, 29.1950, 42.4506

Trichromacy



Original Color

29.8529, 29.0469, 76.7062

Protanomaly

30.3828, 28.8822, 75.9250

Deuteranomaly

29.8529, 29.0469, 76.7062

Tritanomaly

25.2740, 29.0969, 53.5744

Monochromacy



Original Color

29.8529, 29.0469, 76.7062

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

26.6665, 27.6696, 43.9797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8529, 29.0469, 76.7062 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, 146, 227)` looks like.

```
.text, #text, p{  
    color:rgb(104, 146, 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(104, 146, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 146, 227) }
```

Border

The CSS property to change the border of an element to XYZ 29.8529, 29.0469, 76.7062 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, 146, 227) }
```


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

```
.border{ border-color:rgb(104, 146, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 146, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 146, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 146, 227);  
box-shadow:4px 4px 4px 4px rgb(104, 146,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8529, 29.0469, 76.7062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 146, 227) }
```

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

```
.background{ background-color: rgb(104,  
146, 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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