

Converting Colors

XYZ(29.1862, 28.5195, 80.7570)

Have a look what the booklet for
XYZ(29.1862, 28.5195, 80.7570)
contains.

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Color

**XYZ(29.3012, 28.6651,
81.0794)**

Conversions

Conversions Part 1

Format	Color
Hex	5B92E9
RGB	91, 146, 233
RGB Percent	36%, 57%, 91%
CMY	0.6431, 0.4274, 0.0863
CMYK	0.61, 0.37, 0.00, 0.09
HSL	217°, 76%, 64%
HSV	217°, 61%, 91%
XYZ	29.3012, 28.6651, 81.0794
YIQ	139.4730, -60.7070, 15.3970

Conversions

Conversions Part 2

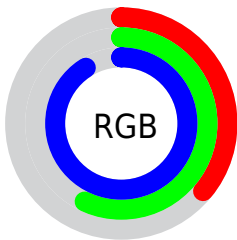
Format	Color
R _Y B	91, 131, 233
Decimal	6001385
CIE Lab	60.48, 8.09, -49.41
CIE LCh	60, 50.066, 279.301
Yxy	28.6651, 0.2107, 0.2062
Android (android.graphics.Color)	4284191465 (0xFF5B92E9)
YUV	139.4730, 46.1088, -42.5108
Hunter-Lab	53.5398, 3.9946, -52.3095

Details

The XYZ color **29.3012, 28.6651, 81.0794** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **51.4147, 49.9224, 16.8252**, and the grayscale version is **24.5685, 25.8479, 28.1484**.

A 20% lighter version of the original color is **51.4668, 55.1079, 102.5320**, and **12.1187, 11.5401, 43.1837** is the 20% darker color. If you saturate the color by 10%, you get **25.2857, 23.5300, 80.3005**, and if you desaturate by 10%, it is **34.3065, 34.7193, 81.9848**.

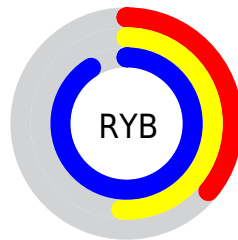
Distribution



Red (36%)

Green (57%)

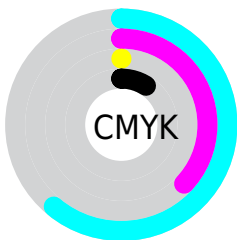
Blue (91%)



Red (36%)

Yellow (51%)

Blue (91%)

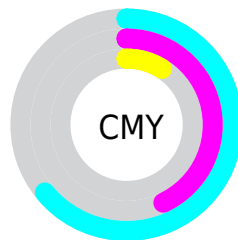


Cyan (61%)

Magenta (37%)

Yellow (0%)

Black (9%)



Cyan (64%)

Magenta (43%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3012, 28.6651, 81.0794 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 29.3012, 28.6651, 81.0794 by changing the saturation by 10% instead.

■ 29.3012, 28.6651,
81.0794

■ 29.3012, 28.6651,
81.0794

290.6021,
295.6315, 518.3655

■ 19.4542, 18.8276,
60.0756

■ 57.9495, 57.5446,
136.7073

■ 12.1049, 11.5458,
43.0539

■ 77.4816, 77.3553,
172.1685

■ 6.8879, 6.4352,
29.5957

■ 100.9728,
101.2594, 213.2860

■ 3.4378, 3.1115,
19.2825

■ 128.7883,
129.6410, 260.4782

■ 1.3893, 1.1902,
11.6957

161.2937,
162.8846, 314.1637

■ 0.2486, 0.0537,
6.4168

198.8542,

■ 0.0000, 0.0000,

201.3746, 374.7611

3.0273

241.8352,
245.4955, 442.6888

■ 0.0000, 0.0000,
1.1086

■ 0.0000, 0.0000,
0.0000

■ 29.3012, 28.6651,
81.0794

■ 29.3012, 28.6651,
81.0794

■ 25.2857, 23.5300,
80.3005

■ 34.3065, 34.7193,
81.9848

■ 22.1782, 19.2555,
79.6392

■ 40.3676, 41.7395,
83.0203

■ 19.8872, 15.7790,
79.0889

■ 47.5482, 49.7725,
84.1924

■ 18.3847, 13.2365,
78.6773

■ 55.9057, 58.8608,
85.5061

■ 65.4934, 69.0442,
86.9664

■ 76.3611, 80.3604,
88.5779

■ 88.5558, 92.8450,
90.3449

■ 91.7081, 98.6632,
91.3018

Harmonies

Analogous

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



23.0892, 28.6651, 77.6752



29.3012, 28.6651, 81.0794



35.8881, 28.6651, 67.5941

Triad

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



29.3012, 28.6651, 81.0794



38.0237, 28.6651, 13.6752



17.2051, 28.6651, 20.2570

Complementary

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



29.3012, 28.6651, 81.0794



51.4147, 49.9224, 16.8252

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.



20.1151, 28.6651, 10.9928



29.3012, 28.6651, 81.0794



31.8724, 28.6651, 8.3690

Square

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



29.3012, 28.6651, 81.0794



41.4225, 28.6651, 25.8111



25.2879, 28.6651, 7.6320



16.7398, 28.6651, 37.3169

Rectangle

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



29.3012, 28.6651, 81.0794



39.3731, 28.6651, 53.1053



25.2879, 28.6651, 7.6320



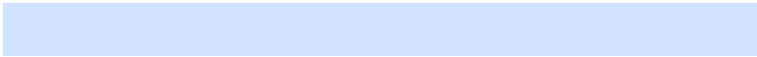
17.9050, 28.6651, 16.3530

Sweetspot

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



29.3023, 28.6661, 81.0801



71.8083, 75.6610, 105.4271



41.3108, 63.6454, 51.2873



14.6682, 15.4432, 22.4577



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.



29.3023, 28.6661, 81.0801



30.0106, 27.5138, 98.3367



24.2997, 16.3823, 78.9728



14.7096, 15.5056, 19.1399



10.5434, 7.7338, 44.6800



0.9187, 0.7890, 3.5387

Inverse Universe

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



42.5347, 26.8825, 30.1419



48.1627, 27.4193, 27.9325



60.1815, 74.0630, 21.0228



15.3070, 15.1506, 16.9018



20.1771, 10.2735, 6.7340



1.6302, 0.8251, 0.7702

Previews

White Background



This preview shows how the XYZ color 29.3012, 28.6651, 81.0794 looks on a white background.

Color Contrast Check

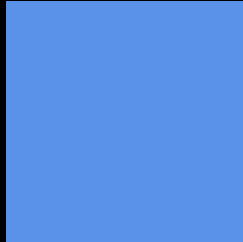
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3012, 28.6651, 81.0794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

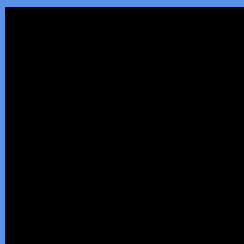
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

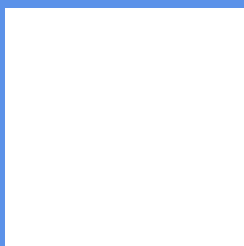
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3012, 28.6651, 81.0794

Background



This preview shows how black text looks on a background with the XYZ color 29.3012, 28.6651, 81.0794.



This preview shows how white text looks on a background with the XYZ color 29.3012, 28.6651,

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

29.3012, 28.6651, 81.0794

Protanopia

30.6380, 28.5039, 78.7499

Deuteranopia

29.4495, 28.5137, 81.0423



Tritanopia

21.8311, 28.7990, 43.4379

Trichromacy



Original Color

29.3012, 28.6651, 81.0794

Protanomaly

29.9552, 28.3575, 79.4960

Deuteranomaly

29.3476, 28.4611, 81.0376

Tritanomaly

24.0409, 28.4227, 55.2580

Monochromacy



Original Color

29.3012, 28.6651, 81.0794

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

25.2419, 26.5007, 43.3199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3012, 28.6651, 81.0794 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(91, 146, 233)` looks like.

```
.text, #text, p{  
    color:rgb(91, 146, 233)  
}
```

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(91, 146, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 146, 233) }
```

Border

The CSS property to change the border of an element to XYZ 29.3012, 28.6651, 81.0794 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(91, 146, 233) }
```


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

```
.border{ border-color:rgb(91, 146, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 146, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 146, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 146, 233);  
box-shadow:4px 4px 4px 4px rgb(91, 146,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3012, 28.6651, 81.0794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 146, 233) }
```

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

```
.background{ background-color: rgb(91, 146,  
233) }
```

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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