

Converting Colors

XYZ(31.4381, 29.4607, 88.2306)

Have a look what the booklet for
XYZ(31.4381, 29.4607, 88.2306)
contains.

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Color

**XYZ(31.2980, 29.3143,
88.0130)**

Conversions

Conversions Part 1

Format	Color
Hex	6391F2
RGB	99, 145, 242
RGB Percent	39%, 57%, 95%
CMY	0.6117, 0.4314, 0.0510
CMYK	0.59, 0.40, 0.00, 0.05
HSL	221°, 85%, 67%
HSV	221°, 59%, 95%
XYZ	31.2980, 29.3143, 88.0130
YIQ	142.3040, -58.5530, 20.4150

Conversions

Conversions Part 2

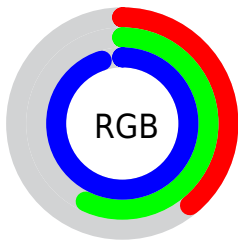
Format	Color
R _Y B	99, 134, 242
Decimal	6525426
CIE Lab	61.06, 13.13, -53.45
CIE LCh	61, 55.035, 283.799
Yxy	29.3143, 0.2106, 0.1972
Android (android.graphics.Color)	4284715506 (0xFF6391F2)
YUV	142.3040, 49.1501, -37.9776
Hunter-Lab	54.1427, 8.4349, -58.4805

Details

The XYZ color **31.2980, 29.3143, 88.0130** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **58.6120, 59.2609, 20.1555**, and the grayscale version is **25.6607, 26.9971, 29.3998**.

A 20% lighter version of the original color is **52.5422, 54.9791, 102.4505**, and **13.1800, 11.8578, 47.4931** is the 20% darker color. If you saturate the color by 10%, you get **26.7095, 23.4906, 87.1314**, and if you desaturate by 10%, it is **37.0432, 36.2731, 89.0540**.

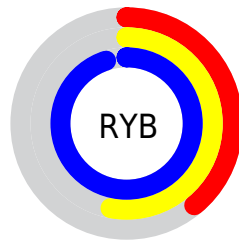
Distribution



Red (39%)

Green (57%)

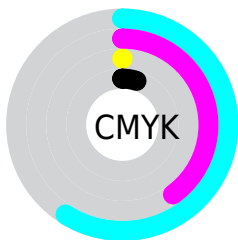
Blue (95%)



Red (39%)

Yellow (53%)

Blue (95%)

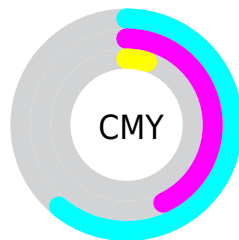


Cyan (59%)

Magenta (40%)

Yellow (0%)

Black (5%)



Cyan (61%)

Magenta (43%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2980, 29.3143, 88.0130 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 31.2980, 29.3143, 88.0130 by changing the saturation by 10% instead.

■ 31.2980, 29.3143,
88.0130

■ 31.2980, 29.3143,
88.0130

299.7113,
298.6950, 541.9482

■ 20.9788, 19.3187,
65.7694

■ 61.0816, 58.5761,
146.4866

■ 13.2209, 11.9008,
47.6300

■ 81.2767, 78.6111,
183.5536

■ 7.6589, 6.6762,
33.1760

■ 105.4945,
102.7613, 226.3989

■ 3.9274, 3.2604,
21.9891

■ 134.1004,
131.4112, 275.4411

■ 1.6612, 1.2692,
13.6507

167.4596,
164.9451, 331.0985

■ 0.4318, 0.1171,
7.7421

205.9376,

■ 0.0000, 0.0000,

203.7474, 393.7898

3.8450

249.8997,
248.2026, 463.9335

■ 0.0000, 0.0000,
1.5407

■ 0.0000, 0.0000,
0.2480

■ 31.2980, 29.3143,
88.0130

■ 31.2980, 29.3143,
88.0130

■ 26.7095, 23.4906,
87.1314

■ 37.0432, 36.2731,
89.0540

■ 23.1856, 18.7304,
86.3983

■ 44.0203, 44.4263,
90.2600

■ 20.6240, 14.9568,
85.8049

■ 52.3018, 53.8320,
91.6390

■ 18.8752, 12.0659,
85.3391

■ 61.9533, 64.5434,
93.1978

■ 18.7402, 11.8371,
85.3020

■ 73.0361, 76.6106,
94.9429

■ 85.6072, 90.0806,
96.8803

■ 93.0271, 99.1908,
98.2477

Harmonies

Analogous

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



24.1739, 29.3143, 87.1692



31.2980, 29.3143, 88.0130



38.5897, 29.3143, 69.9607

Triad

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



31.2980, 29.3143, 88.0130



39.1022, 29.3143, 11.5837



16.5664, 29.3143, 22.0810

Complementary

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



31.2980, 29.3143, 88.0130



58.6120, 59.2609, 20.1555

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.



19.3337, 29.3143, 10.9956



31.2980, 29.3143, 88.0130



31.9081, 29.3143, 6.9709

Square

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



31.2980, 29.3143, 88.0130



43.5931, 29.3143, 23.3616



24.6878, 29.3143, 6.8159



16.4603, 29.3143, 42.3444

Rectangle

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



31.2980, 29.3143, 88.0130



42.2283, 29.3143, 52.8300



24.6878, 29.3143, 6.8159



17.1914, 29.3143, 17.4128

Sweetspot

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



31.2992, 29.3153, 88.0137



70.9919, 74.0281, 105.1549



46.6741, 70.0679, 62.3016



14.4709, 15.0485, 22.3919



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.



31.2992, 29.3153, 88.0137



29.1467, 25.2268, 97.9408



28.6351, 19.5350, 86.2664



15.3123, 16.0588, 20.0142



10.1767, 6.5776, 45.8611



0.9333, 0.7206, 3.8441

Inverse Universe

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



46.1917, 29.8468, 30.1153



47.8630, 27.8219, 24.7440



62.9687, 79.3371, 23.8010



15.9823, 15.8426, 17.4632



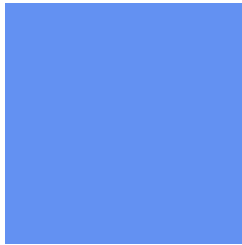
20.4623, 10.4574, 5.0853



1.7460, 0.8875, 0.6535

Previews

White Background



This preview shows how the XYZ color 31.2980, 29.3143, 88.0130 looks on a white background.

Color Contrast Check

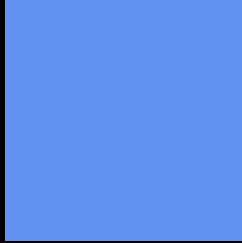
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.2980, 29.3143, 88.0130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

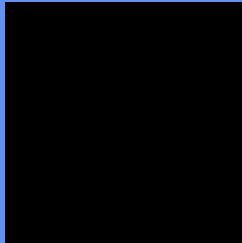
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.2980, 29.3143, 88.0130

Background



This preview shows how black text looks on a background with the XYZ color 31.2980, 29.3143, 88.0130.



This preview shows how white text looks on a background with the XYZ color 31.2980, 29.3143,

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

31.2980, 29.3143, 88.0130

Protanopia

31.8840, 29.1839, 87.1717

Deuteranopia

30.1487, 29.1967, 87.2656



Tritanopia

22.5679, 29.4240, 44.0251

Trichromacy



Original Color

31.2980, 29.3143, 88.0130

Protanomaly

31.6761, 29.3006, 87.2052

Deuteranomaly

30.4705, 29.1328, 87.2363

Tritanomaly

25.2227, 29.2254, 57.7378

Monochromacy



Original Color

31.2980, 29.3143, 88.0130

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

26.4625, 27.2949, 45.9932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2980, 29.3143, 88.0130 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(99, 145, 242)` looks like.

```
.text, #text, p{  
    color:rgb(99, 145, 242)  
}
```

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(99, 145, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 145, 242) }
```

Border

The CSS property to change the border of an element to XYZ 31.2980, 29.3143, 88.0130 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(99, 145, 242) }
```


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

```
.border{ border-color:rgb(99, 145, 242) }
```

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

Here you see how a box with a 4 pixel rgb(99, 145, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 145, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 145, 242);  
box-shadow:4px 4px 4px 4px rgb(99, 145,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2980, 29.3143, 88.0130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 145, 242) }
```

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

```
.background{ background-color: rgb(99, 145,  
242) }
```

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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