

Converting Colors

XYZ(31.7460, 28.8185, 98.4971)

Have a look what the booklet for
XYZ(31.7460, 28.8185, 98.4971)
contains.

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Color

**XYZ(31.8029, 28.8912,
98.5081)**

Conversions

Conversions Part 1

Format	Color
Hex	578FFF
RGB	87, 143, 255
RGB Percent	34%, 56%, 100%
CMY	0.6588, 0.4392, 0.0000
CMYK	0.66, 0.44, 0.00, 0.00
HSL	220°, 100%, 67%
HSV	220°, 66%, 100%
XYZ	31.8029, 28.8912, 98.5081
YIQ	139.0240, -69.3280, 22.9600

Conversions

Conversions Part 2

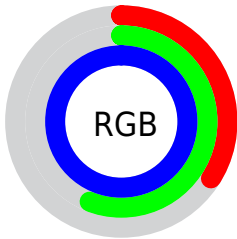
Format	Color
R _Y B	87, 129, 255
Decimal	5738495
CIE Lab	60.69, 16.58, -61.22
CIE LCh	61, 63.423, 285.153
Yxy	28.8912, 0.1998, 0.1815
Android (android.graphics.Color)	4283928575 (0xFF578FFF)
YUV	139.0240, 57.1762, -45.6250
Hunter-Lab	53.7505, 11.5507, -71.0349

Details

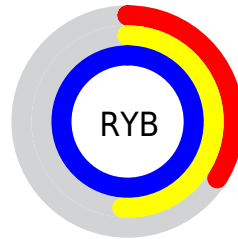
The XYZ color **31.8029, 28.8912, 98.5081** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **63.3858, 62.7986, 17.7993**, and the grayscale version is **24.3573, 25.6258, 27.9065**.

A 20% lighter version of the original color is **50.5524, 53.2792, 102.2273**, and **14.0807, 12.0366, 54.4045** is the 20% darker color. If you saturate the color by 10%, you get **27.4669, 23.1503, 97.6285**, and if you desaturate by 10%, it is **37.3682, 35.8406, 99.5562**.

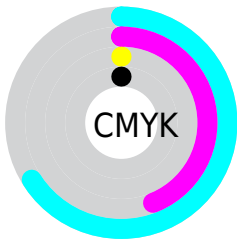
Distribution



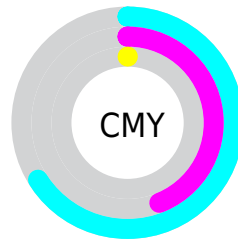
- Red (34%)
- Green (56%)
- Blue (100%)



- Red (34%)
- Yellow (51%)
- Blue (100%)



- Cyan (66%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)



- Cyan (66%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8029, 28.8912, 98.5081 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 31.8029, 28.8912, 98.5081 by changing the saturation by 10% instead.

■ 31.8029, 28.8912,
98.5081

■ 31.8029, 28.8912,
98.5081

301.9817,
296.7013, 576.6046

■ 21.3658, 18.9985,
74.4452

■ 61.8693, 57.9042,
161.1394

■ 13.5056, 11.6692,
54.6595

■ 82.2292, 77.7933,
200.5449

■ 7.8570, 6.5189,
38.7325

■ 106.6275,
101.7833, 245.9018

■ 4.0546, 3.1631,
26.2454

■ 135.4296,
130.2587, 297.6285

■ 1.7331, 1.2175,
16.7799

169.0006,
163.6037, 356.1436

■ 0.4768, 0.0759,
9.9174

207.7061,

■ 0.0000, 0.0000,

202.2029, 421.8656

5.2393

251.9113,
246.4407, 495.2131

■ 0.0000, 0.0000,
2.3272

■ 0.0000, 0.0000,
0.7464

■ 31.8029, 28.8912,
98.5081

■ 31.8029, 28.8912,
98.5081

■ 27.4669, 23.1503,
97.6285

■ 37.3682, 35.8406,
99.5562

■ 24.2465, 18.5325,
96.9069

■ 44.2554, 44.0695,
100.7815

■ 22.0087, 14.9420,
96.3319

■ 52.5513, 53.6455,
102.1926

■ 21.2980, 13.7159,
96.1327

■ 62.3338, 64.6306,
103.7974

■ 73.6751, 77.0824,
105.6030

■ 86.6423, 91.0550,
107.6166

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



23.6058, 28.8912, 98.6423



31.8029, 28.8912, 98.5081



40.2611, 28.8912, 75.4003

Triad

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



31.8029, 28.8912, 98.5081



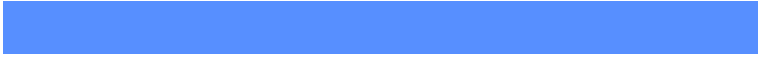
40.1839, 28.8912, 9.0398



14.8396, 28.8912, 21.2252

Complementary

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



31.8029, 28.8912, 98.5081



63.3858, 62.7986, 17.7993

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.



17.7086, 28.8912, 9.1146



31.8029, 28.8912, 98.5081



31.7129, 28.8912, 4.8529

Square

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



31.8029, 28.8912, 98.5081



45.7178, 28.8912, 21.0458



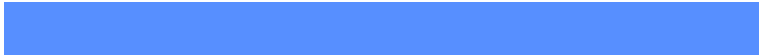
23.5320, 28.8912, 4.8709



14.8541, 28.8912, 44.8371

Rectangle

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



31.8029, 28.8912, 98.5081



44.4465, 28.8912, 54.5716



23.5320, 28.8912, 4.8709



15.4689, 28.8912, 16.0120

Sweetspot

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



31.8040, 28.8920, 98.5082



68.8079, 71.7696, 104.8341



50.0005, 77.6703, 66.3912



14.0506, 14.6174, 22.3308



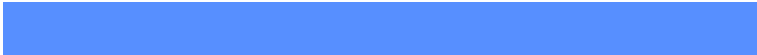
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.8040, 28.8920, 98.5082



26.3476, 21.5925, 97.3868



28.5301, 17.6832, 96.5172



17.4976, 18.3669, 22.8729



11.2506, 7.4107, 50.2720



1.1911, 0.9128, 4.9267

Inverse Universe

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



49.6070, 30.0611, 29.1750



45.9708, 25.2296, 20.4380



69.1597, 88.5394, 22.4635



18.2591, 18.0869, 19.9814



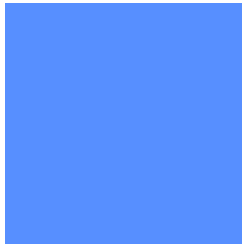
22.4670, 11.4761, 5.8435



2.2358, 1.1367, 0.8232

Previews

White Background



This preview shows how the XYZ color 31.8029, 28.8912, 98.5081 looks on a white background.

Color Contrast Check

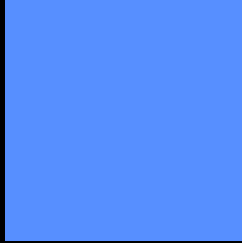
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.8029, 28.8912, 98.5081 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

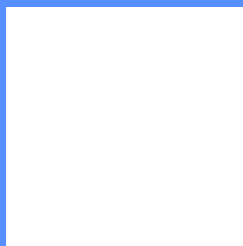
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8029, 28.8912, 98.5081

Background



This preview shows how black text looks on a background with the XYZ color 31.8029, 28.8912, 98.5081.



This preview shows how white text looks on a background with the XYZ color 31.8029, 28.8912,

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

31.8029, 28.8912, 98.5081

Protanopia

32.2817, 28.9347, 97.6494

Deuteranopia

29.9540, 28.8639, 97.7585



Tritanopia

21.0120, 28.8691, 44.5092

Trichromacy



Original Color

31.8029, 28.8912, 98.5081

Protanomaly

31.9760, 28.7771, 97.6351

Deuteranomaly

30.4830, 28.9068, 97.7389

Tritanomaly

23.8033, 28.1799, 60.6846

Monochromacy



Original Color

31.8029, 28.8912, 98.5081

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

25.4643, 26.0854, 47.4089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8029, 28.8912, 98.5081 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(87, 143, 255)` looks like.

```
.text, #text, p{  
    color:rgb(87, 143, 255)  
}
```

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(87, 143, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 143, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.8029, 28.8912, 98.5081 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(87, 143, 255) }
```


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

```
.border{ border-color:rgb(87, 143, 255) }
```

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

Here you see how a box with a 4 pixel rgb(87, 143, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 143, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 143, 255);  
box-shadow:4px 4px 4px 4px rgb(87, 143,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8029, 28.8912, 98.5081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 143, 255) }
```

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

```
.background{ background-color: rgb(87, 143,  
255) }
```

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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