

Converting Colors

XYZ(34.9497, 30.0241,
117.1084)

Have a look what the booklet for
XYZ(34.9497, 30.0241, 117.1084)
contains.

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Color

**XYZ(31.4397, 28.7039,
98.4911)**

Conversions

Conversions Part 1

Format	Color
Hex	538FFF
RGB	83, 143, 255
RGB Percent	33%, 56%, 100%
CMY	0.6745, 0.4392, 0.0000
CMYK	0.67, 0.44, 0.00, 0.00
HSL	219°, 100%, 66%
HSV	219°, 67%, 100%
XYZ	31.4397, 28.7039, 98.4911
YIQ	137.8280, -71.7120, 22.1120

Conversions

Conversions Part 2

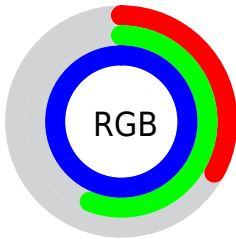
Format	Color
R _Y B	83, 127, 255
Decimal	5476351
CIE Lab	60.52, 15.97, -61.49
CIE LCh	61, 63.533, 284.557
Yxy	28.7039, 0.1982, 0.1809
Android (android.graphics.Color)	4283666431 (0xFF538FFF)
YUV	137.8280, 57.7658, -48.0842
Hunter-Lab	53.5760, 10.9901, -71.4921

Details

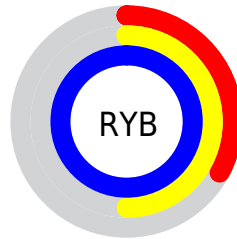
The XYZ color **31.4397, 28.7039, 98.4911** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **62.3188, 60.9189, 16.6596**, and the grayscale version is **23.9000, 25.1447, 27.3826**.

A 20% lighter version of the original color is **50.0027, 52.9958, 102.2015**, and **14.0807, 12.0366, 54.4045** is the 20% darker color. If you saturate the color by 10%, you get **27.2781, 23.1280, 97.6342**, and if you desaturate by 10%, it is **36.7993, 35.4457, 99.5099**.

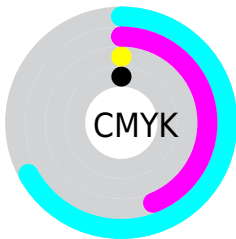
Distribution



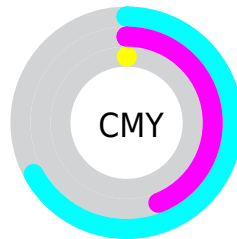
- Red (33%)
- Green (56%)
- Blue (100%)



- Red (33%)
- Yellow (50%)
- Blue (100%)



- Cyan (67%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)



- Cyan (67%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4397, 28.7039, 98.4911 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 31.4397, 28.7039, 98.4911 by changing the saturation by 10% instead.

■ 31.4397, 28.7039,
98.4911

■ 31.4397, 28.7039,
98.4911

300.3498,
295.8153, 576.5494

■ 21.0874, 18.8569,
74.4311

■ 61.3028, 57.6063,
161.1158

■ 13.3007, 11.5670,
54.6481

■ 81.5443, 77.4305,
200.5176

■ 7.7144, 6.4495,
38.7233

■ 105.8129,
101.3493, 245.8705

■ 3.9630, 3.1203,
26.2384

■ 134.4739,
129.7471, 297.5930

■ 1.6812, 1.1949,
16.7747

167.8928,
163.0081, 356.1035

■ 0.4445, 0.0575,
9.9137

206.4348,

■ 0.0000, 0.0000,

201.5169, 421.8208

5.2369

250.4654,
245.6579, 495.1632

■ 0.0000, 0.0000,
2.3258

■ 0.0000, 0.0000,
0.7456

■ 31.4397, 28.7039,
98.4911

■ 31.4397, 28.7039,
98.4911

■ 27.2781, 23.1280,
97.6342

■ 36.7993, 35.4457,
99.5099

■ 24.1993, 18.6339,
96.9290

■ 43.4501, 43.4231,
100.6992

■ 22.0621, 15.1232,
96.3640

■ 51.4791, 52.7025,
102.0671

■ 21.6178, 14.3557,
96.2393

■ 60.9644, 63.3443,
103.6212

■ 71.9779, 75.4048,
105.3687

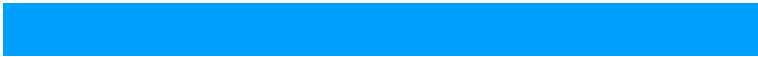
■ 84.5865, 88.9368,
107.3161

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.



23.2957, 28.7039, 98.1030



31.4397, 28.7039, 98.4911



39.9060, 28.7039, 75.7297

Triad

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



31.4397, 28.7039, 98.4911



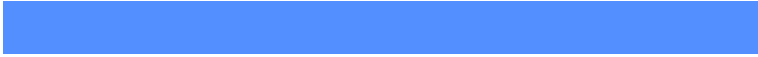
40.1287, 28.7039, 9.0724



14.7326, 28.7039, 20.7063

Complementary

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



31.4397, 28.7039, 98.4911



62.3188, 60.9189, 16.6596

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.



17.6483, 28.7039, 8.8576



31.4397, 28.7039, 98.4911



31.6994, 28.7039, 4.8080

Square

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



31.4397, 28.7039, 98.4911



45.5637, 28.7039, 21.2233



23.5084, 28.7039, 4.7563



14.6908, 28.7039, 44.0311

Rectangle

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



31.4397, 28.7039, 98.4911



44.1388, 28.7039, 54.9417



23.5084, 28.7039, 4.7563



15.3783, 28.7039, 15.5921

Sweetspot

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



31.4408, 28.7047, 98.4912



69.0171, 72.1880, 104.9038



49.1563, 77.2907, 63.8412



14.1002, 14.7166, 22.3474



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.



31.4408, 28.7047, 98.4912



26.0665, 21.4119, 97.3668



27.4272, 16.6471, 96.3754



17.5212, 18.4139, 22.8807



11.4214, 7.7524, 50.3290



1.2098, 0.9502, 4.9329

Inverse Universe

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



49.2920, 29.4313, 29.0699



45.7358, 24.7790, 20.2998



69.6992, 88.8359, 21.6591



18.2710, 18.0917, 20.0440



22.5532, 11.5106, 6.2976



2.2452, 1.1405, 0.8729

Previews

White Background



This preview shows how the XYZ color 31.4397, 28.7039, 98.4911 looks on a white background.

Color Contrast Check

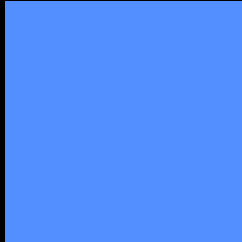
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4397, 28.7039, 98.4911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

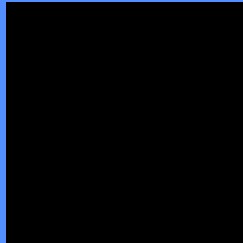
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

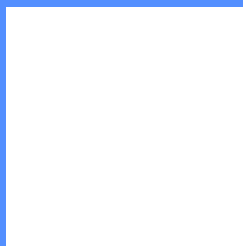
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4397, 28.7039, 98.4911

Background



This preview shows how black text looks on a background with the XYZ color 31.4397, 28.7039, 98.4911.



This preview shows how white text looks on a background with the XYZ color 31.4397, 28.7039,

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

31.4397, 28.7039, 98.4911

Protanopia

31.8706, 28.5213, 96.7539

Deuteranopia

29.7913, 28.7801, 97.7509



Tritanopia

20.5819, 28.6473, 44.4891

Trichromacy



Original Color

31.4397, 28.7039, 98.4911

Protanomaly

31.7788, 28.6754, 97.6259

Deuteranomaly

30.2826, 28.8035, 97.7295

Tritanomaly

23.2102, 27.8741, 60.6568

Monochromacy



Original Color

31.4397, 28.7039, 98.4911

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.1898, 25.9439, 47.3961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4397, 28.7039, 98.4911 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(83, 143, 255)` looks like.

```
.text, #text, p{  
    color:rgb(83, 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(83, 143, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 143, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.4397, 28.7039, 98.4911 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(83, 143, 255) }
```


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

```
.border{ border-color:rgb(83, 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(83, 143, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 143, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 143, 255);  
box-shadow:4px 4px 4px 4px rgb(83, 143,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4397, 28.7039, 98.4911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 143, 255) }
```

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

```
.background{ background-color: rgb(83, 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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