

Converting Colors

XYZ(31.9344, 33.4100, 83.3395)

Have a look what the booklet for
XYZ(31.9344, 33.4100, 83.3395)
contains.

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Color

**XYZ(31.8806, 33.3639,
83.3569)**

Conversions

Conversions Part 1

Format	Color
Hex	5BA0EB
RGB	91, 160, 235
RGB Percent	36%, 63%, 92%
CMY	0.6431, 0.3725, 0.0784
CMYK	0.61, 0.32, 0.00, 0.08
HSL	211°, 78%, 64%
HSV	211°, 61%, 92%
XYZ	31.8806, 33.3639, 83.3569
YIQ	147.9190, -65.1990, 8.6970

Conversions

Conversions Part 2

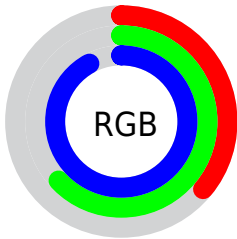
Format	Color
R _Y B	91, 138, 235
Decimal	6004971
CIE Lab	64.45, 0.62, -44.25
CIE LCh	64, 44.250, 270.797
Yxy	33.3639, 0.2145, 0.2245
Android (android.graphics.Color)	4284195051 (0xFF5BA0EB)
YUV	147.9190, 42.9309, -49.9180
Hunter-Lab	57.7615, -2.5622, -45.1297

Details

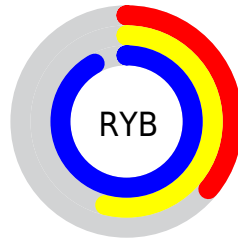
The XYZ color **31.8806, 33.3639, 83.3569** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **49.7874, 45.6927, 16.0948**, and the grayscale version is **27.9622, 29.4184, 32.0366**.

A 20% lighter version of the original color is **55.0455, 61.9885, 103.6715**, and **13.6053, 14.1920, 44.6701** is the 20% darker color. If you saturate the color by 10%, you get **27.8978, 28.3147, 82.5929**, and if you desaturate by 10%, it is **36.7999, 39.2070, 84.2261**.

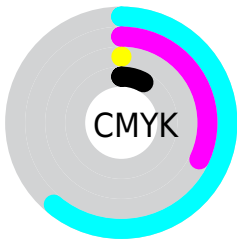
Distribution



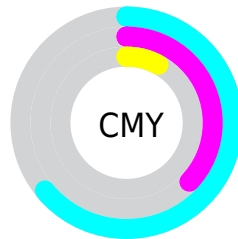
- Red (36%)
- Green (63%)
- Blue (92%)



- Red (36%)
- Yellow (54%)
- Blue (92%)



- Cyan (61%)
- Magenta (32%)
- Yellow (0%)
- Black (8%)



- Cyan (64%)
- Magenta (37%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8806, 33.3639, 83.3569 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 31.8806, 33.3639, 83.3569 by changing the saturation by 10% instead.

■ 31.8806, 33.3639,
83.3569

■ 31.8806, 33.3639,
83.3569

302.3299,
317.2863, 526.1773

■ 21.4254, 22.4054,
61.9423

■ 61.9903, 64.9433,
139.9289

■ 13.5496, 14.1551,
44.5506

■ 82.3756, 86.3329,
175.9234

■ 7.8876, 8.2286,
30.7632

■ 106.8016,
111.9683, 217.6150

■ 4.0743, 4.2416,
20.1617

■ 135.6336,
142.2339, 265.4221

■ 1.7443, 1.8096,
12.3274

169.2372,
177.5141, 319.7634

■ 0.4837, 0.4931,
6.8418

207.9775,

■ 0.0000, 0.0000,

218.1933, 381.0573

3.2864

252.2200,
264.6559, 449.7224

■ 0.0000, 0.0000,
1.2427

■ 0.0000, 0.0000,
0.0141

■ 31.8806, 33.3639,
83.3569

■ 31.8806, 33.3639,
83.3569

■ 27.8978, 28.3147,
82.5929

■ 36.7999, 39.2070,
84.2261

■ 24.7715, 24.0078,
81.9264

■ 42.7189, 45.8838,
85.2029

■ 22.4124, 20.3882,
81.3521

■ 49.6993, 53.4346,
86.2925

■ 20.8562, 17.7195,
80.9190

■ 57.7963, 61.8959,
87.4989

■ 67.0610, 71.3017,
88.8261

■ 77.5413, 81.6840,
90.2777

■ 89.0948, 92.9767,
91.8485

■ 91.9955, 98.7782,
92.8154

Harmonies

Analogous

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



26.1498, 33.3639, 75.9091



31.8806, 33.3639, 83.3569



38.3416, 33.3639, 75.1211

Triad

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



31.8806, 33.3639, 83.3569



43.3234, 33.3639, 21.2765



22.2516, 33.3639, 21.8685

Complementary

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



31.8806, 33.3639, 83.3569



49.7874, 45.6927, 16.0948

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.



25.8933, 33.3639, 13.9001



31.8806, 33.3639, 83.3569



38.0105, 33.3639, 13.6467

Square

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



31.8806, 33.3639, 83.3569



45.4639, 33.3639, 35.8460



31.5428, 33.3639, 11.4746



21.0562, 33.3639, 36.8135

Rectangle

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



31.8806, 33.3639, 83.3569



42.0790, 33.3639, 63.0302



31.5428, 33.3639, 11.4746



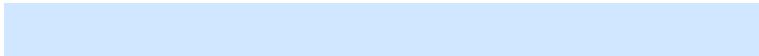
23.2041, 33.3639, 18.4863

Sweetspot

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



31.8818, 33.3650, 83.3577



72.9747, 77.9938, 105.8159



40.8522, 64.3731, 46.0627



14.9512, 16.0092, 22.5520



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.



31.8818, 33.3650, 83.3577



32.3259, 32.4064, 99.1590



23.2929, 15.8302, 80.4259



14.8267, 15.7398, 19.1789



11.7336, 10.1142, 45.0768



1.0172, 0.9859, 3.5716

Inverse Universe

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



44.3484, 27.6840, 36.2647



49.2673, 27.6162, 34.5048



65.0715, 77.4293, 21.4150



15.3661, 15.1743, 17.2130



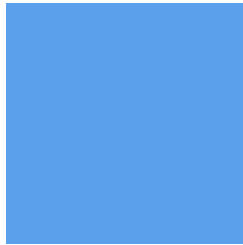
20.7779, 10.5138, 9.8976



1.6799, 0.8449, 1.0319

Previews

White Background



This preview shows how the XYZ color 31.8806, 33.3639, 83.3569 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 31.8806, 33.3639, 83.3569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

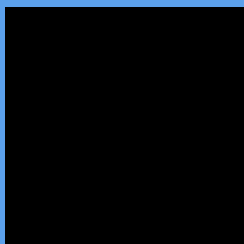
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

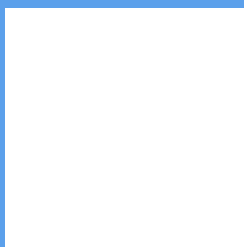
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8806, 33.3639, 83.3569

Background



This preview shows how black text looks on a background with the XYZ color 31.8806, 33.3639, 83.3569.

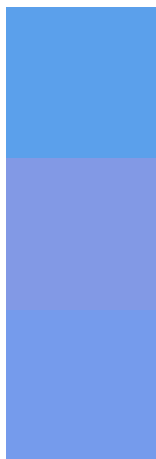


This preview shows how white text looks on a background with the XYZ color 31.8806, 33.3639,

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

31.8806, 33.3639, 83.3569

Protanopia

34.7400, 33.1854, 78.7032

Deuteranopia

34.1978, 33.2807, 83.9783



Tritanopia

25.3412, 33.4034, 50.4593

Trichromacy



Original Color

31.8806, 33.3639, 83.3569

Protanomaly

33.5147, 33.2595, 80.2546

Deuteranomaly

33.3816, 33.3582, 84.0363

Tritanomaly

27.3962, 33.1207, 61.4489

Monochromacy



Original Color

31.8806, 33.3639, 83.3569

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.2189, 30.2638, 47.5342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8806, 33.3639, 83.3569 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, 160, 235)` looks like.

```
.text, #text, p{  
    color:rgb(91, 160, 235)  
}
```

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, 160, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 160, 235) }
```

Border

The CSS property to change the border of an element to XYZ 31.8806, 33.3639, 83.3569 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, 160, 235) }
```


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

```
.border{ border-color:rgb(91, 160, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 160, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 160, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 160, 235);  
box-shadow:4px 4px 4px 4px rgb(91, 160,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8806, 33.3639, 83.3569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 160, 235) }
```

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

```
.background{ background-color: rgb(91, 160,  
235) }
```

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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