

Converting Colors

XYZ(31.5835, 33.2597, 82.5979)

Have a look what the booklet for
XYZ(31.5835, 33.2597, 82.5979)
contains.

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Color

**XYZ(31.5419, 33.2060,
82.5889)**

Conversions

Conversions Part 1

Format	Color
Hex	59A0EA
RGB	89, 160, 234
RGB Percent	35%, 63%, 92%
CMY	0.6510, 0.3725, 0.0823
CMYK	0.62, 0.32, 0.00, 0.08
HSL	211°, 78%, 63%
HSV	211°, 62%, 92%
XYZ	31.5419, 33.2060, 82.5889
YIQ	147.2070, -66.0700, 7.9620

Conversions

Conversions Part 2

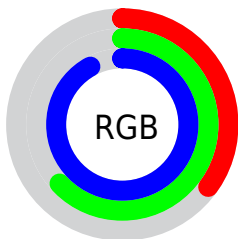
Format	Color
R _Y B	89, 137, 234
Decimal	5873898
CIE Lab	64.33, -0.07, -43.90
CIE LCh	64, 43.901, 269.907
Yxy	33.2060, 0.2141, 0.2254
Android (android.graphics.Color)	4284063978 (0xFF59A0EA)
YUV	147.2070, 42.7889, -51.0475
Hunter-Lab	57.6246, -3.1379, -44.6385

Details

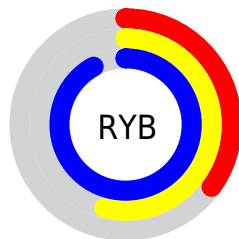
The XYZ color **31.5419, 33.2060, 82.5889** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **48.8338, 44.4106, 15.4511**, and the grayscale version is **27.6682, 29.1091, 31.6998**.

A 20% lighter version of the original color is **54.6742, 61.7972, 103.6541**, and **13.5045, 14.1516, 44.1393** is the 20% darker color. If you saturate the color by 10%, you get **27.6711, 28.2838, 81.8435**, and if you desaturate by 10%, it is **36.3275, 38.8961, 83.4356**.

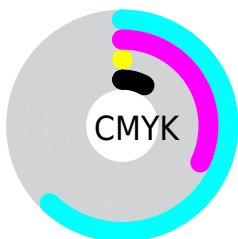
Distribution



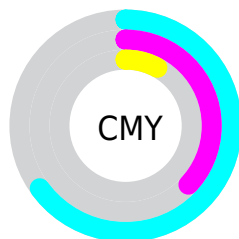
- Red (35%)
- Green (63%)
- Blue (92%)



- Red (35%)
- Yellow (54%)
- Blue (92%)



- Cyan (62%)
- Magenta (32%)
- Yellow (0%)
- Black (8%)



- Cyan (65%)
- Magenta (37%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5419, 33.2060, 82.5889 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 31.5419, 33.2060, 82.5889 by changing the saturation by 10% instead.

■ 31.5419, 33.2060,
82.5889

■ 31.5419, 33.2060,
82.5889

300.8096,
316.5770, 523.5505

■ 21.1657, 22.2843,
61.3124

■ 61.4623, 64.6970,
138.8436

■ 13.3583, 14.0659,
44.0452

■ 81.7372, 86.0351,
174.6589

■ 7.7544, 8.1665,
30.3686

■ 106.0423,
111.6141, 216.1576

■ 3.9887, 4.2017,
19.8641

■ 134.7431,
141.8185, 263.7582

■ 1.6957, 1.7870,
12.1132

168.2049,
177.0326, 317.8793

■ 0.4536, 0.4791,
6.6973

206.7930,

■ 0.0000, 0.0000,

217.6407, 378.9393

3.1980

250.8728,
264.0274, 447.3569

■ 0.0000, 0.0000,
1.1966

■ 0.0000, 0.0000,
0.0000

■ 31.5419, 33.2060,
82.5889

■ 31.5419, 33.2060,
82.5889

■ 27.6711, 28.2838,
81.8435

■ 36.3275, 38.8961,
83.4356

■ 24.6354, 24.0786,
81.1918

■ 42.0906, 45.3928,
84.3859

■ 22.3458, 20.5362,
80.6288

■ 48.8922, 52.7357,
85.4447

■ 20.9340, 18.1057,
80.2340

■ 56.7870, 60.9604,
86.6162

■ 65.8255, 70.1001,
87.9039

■ 76.0550, 80.1860,
89.3115

■ 87.5198, 91.2477,
90.8424

■ 91.8514, 98.7206,
92.0565

Harmonies

Analogous

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



25.9164, 33.2060, 74.8090



31.5419, 33.2060, 82.5889



37.9336, 33.2060, 74.8993

Triad

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



31.5419, 33.2060, 82.5889



43.1537, 33.2060, 21.5792



22.2719, 33.2060, 21.5110

Complementary

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



31.5419, 33.2060, 82.5889



48.8338, 44.4106, 15.4511

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.



25.9458, 33.2060, 13.7909



31.5419, 33.2060, 82.5889



37.9716, 33.2060, 13.8202

Square

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



31.5419, 33.2060, 82.5889



45.1533, 33.2060, 36.2113



31.5807, 33.2060, 11.5203



21.0138, 33.2060, 36.1001

Rectangle

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



31.5419, 33.2060, 82.5889



41.6652, 33.2060, 63.1272



31.5807, 33.2060, 11.5203



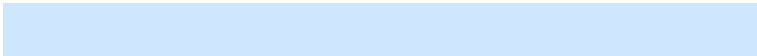
23.2391, 33.2060, 18.2252

Sweetspot

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



31.5431, 33.2071, 82.5897



72.0294, 77.1664, 105.7060



40.0212, 63.5614, 44.1110



14.7726, 15.8583, 22.5323



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.



31.5431, 33.2071, 82.5897



32.6628, 33.0803, 99.2714



22.5449, 15.2108, 79.5903



14.8401, 15.7667, 19.1834



11.8889, 10.4248, 45.1285



1.0296, 1.0107, 3.5757

Inverse Universe

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



43.8503, 27.1767, 36.1932



49.4374, 27.6842, 35.4003



65.1586, 77.0602, 20.8927



15.3729, 15.1770, 17.2488



20.8563, 10.5452, 10.3104



1.6862, 0.8474, 1.0649

Previews

White Background



This preview shows how the XYZ color 31.5419, 33.2060, 82.5889 looks on a white background.

Color Contrast Check

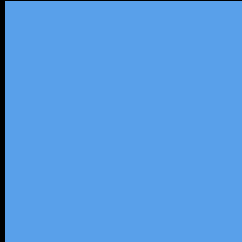
Large Text (above 18pt) WCAG AA × Fail

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 31.5419, 33.2060, 82.5889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

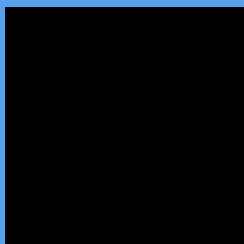
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

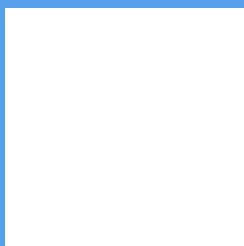
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.5419, 33.2060, 82.5889

Background



This preview shows how black text looks on a background with the XYZ color 31.5419, 33.2060, 82.5889.

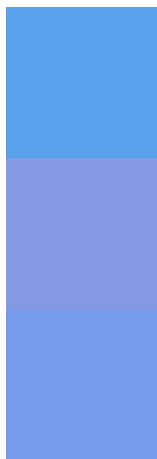


This preview shows how white text looks on a background with the XYZ color 31.5419, 33.2060,

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

31.5419, 33.2060, 82.5889

Protanopia

34.6007, 33.1297, 77.9698

Deuteranopia

34.0529, 33.2228, 83.2151



Tritanopia

25.2064, 33.3340, 50.4530

Trichromacy



Original Color

31.5419, 33.2060, 82.5889

Protanomaly

33.2416, 33.1349, 79.5066

Deuteranomaly

33.1158, 33.2379, 83.2674

Tritanomaly

27.1209, 32.9926, 60.8159

Monochromacy



Original Color

31.5419, 33.2060, 82.5889

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.9691, 30.1468, 46.9926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5419, 33.2060, 82.5889 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(89, 160, 234)` looks like.

```
.text, #text, p{  
    color:rgb(89, 160, 234)  
}
```

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(89, 160, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 160, 234) }
```

Border

The CSS property to change the border of an element to XYZ 31.5419, 33.2060, 82.5889 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(89, 160, 234) }
```


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

```
.border{ border-color:rgb(89, 160, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 160, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 160, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 160, 234);  
box-shadow:4px 4px 4px 4px rgb(89, 160,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5419, 33.2060, 82.5889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 160, 234) }
```

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

```
.background{ background-color: rgb(89, 160,  
234) }
```

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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