

Converting Colors

XYZ(33.8107, 31.8790, 95.1144)

Have a look what the booklet for
XYZ(33.8107, 31.8790, 95.1144)
contains.

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Color

**XYZ(33.6888, 31.8020,
94.8053)**

Conversions

Conversions Part 1

Format	Color
Hex	6597FA
RGB	101, 151, 250
RGB Percent	40%, 59%, 98%
CMY	0.6039, 0.4078, 0.0196
CMYK	0.60, 0.40, 0.00, 0.02
HSL	220°, 94%, 69%
HSV	220°, 60%, 98%
XYZ	33.6888, 31.8020, 94.8053
YIQ	147.3360, -61.5790, 20.1890

Conversions

Conversions Part 2

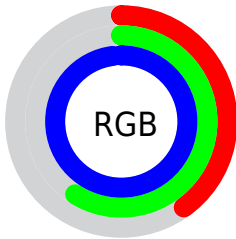
Format	Color
RYB	101, 138, 250
Decimal	6658042
CIELab	63.18, 12.56, -54.46
CIELCh	63, 55.894, 282.987
Yxy	31.8020, 0.2102, 0.1984
Android (android.graphics.Color)	4284848122 (0xFF6597FA)
YUV	147.3360, 50.6134, -40.6367
Hunter-Lab	56.3933, 7.9460, -60.1999

Details

The XYZ color **33.6888, 31.8020, 94.8053** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **62.4301, 62.5761, 21.1021**, and the grayscale version is **27.6888, 29.1308, 31.7234**.

A 20% lighter version of the original color is **54.7816, 58.5640, 103.0244**, and **14.6102, 13.3282, 52.2546** is the 20% darker color. If you saturate the color by 10%, you get **28.8157, 25.5972, 93.8652**, and if you desaturate by 10%, it is **39.7922, 39.2010, 95.9124**.

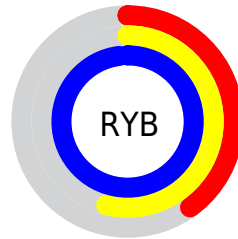
Distribution



Red (40%)

Green (59%)

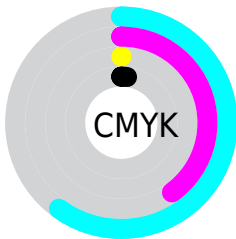
Blue (98%)



Red (40%)

Yellow (54%)

Blue (98%)

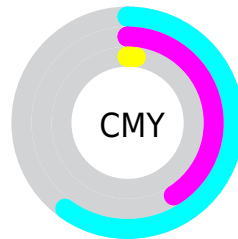


Cyan (60%)

Magenta (40%)

Yellow (0%)

Black (2%)



Cyan (60%)

Magenta (41%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6888, 31.8020, 94.8053 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 33.6888, 31.8020, 94.8053 by changing the saturation by 10% instead.

■ 33.6888, 31.8020,
94.8053

■ 33.6888, 31.8020,
94.8053

310.3526,
310.2163, 564.5099

■ 22.8164, 21.2103,
71.3769

■ 64.7969, 62.5006,
155.9889

■ 14.5779, 13.2778,
52.1661

■ 85.7634, 83.3762,
194.5811

■ 8.6081, 7.6201,
36.7544

■ 110.8252,
108.4487, 239.0651

■ 4.5415, 3.8529,
24.7231

140.3478,
138.1023, 289.8594

■ 2.0128, 1.5916,
15.6537

174.6964,
172.7214, 347.3825

■ 0.6411, 0.3519,
9.1278

214.2366,

■ 0.0000, 0.0000,

212.6906, 412.0529

4.7267

259.3335,
258.3941, 484.2892

■ 0.0000, 0.0000,
2.0319

■ 0.0000, 0.0000,
0.5748

■ 33.6888, 31.8020,
94.8053

■ 33.6888, 31.8020,
94.8053

■ 28.8157, 25.5972,
93.8652

■ 39.7922, 39.2010,
95.9124

■ 25.0735, 20.5109,
93.0807

■ 47.2067, 47.8567,
97.1924

■ 22.3516, 16.4617,
92.4425

■ 56.0104, 57.8302,
98.6534

■ 20.4817, 13.3359,
91.9377

■ 66.2736, 69.1777,
100.3028

■ 20.4169, 13.2250,
91.9198

■ 78.0620, 81.9517,
102.1471

■ 91.4368, 96.2019,
104.1928

■ 94.2554, 99.6822,
104.7160

Harmonies

Analogous

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



26.0866, 31.8020, 93.3001



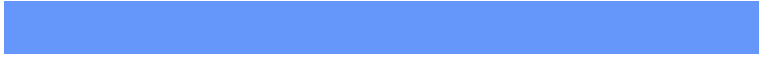
33.6888, 31.8020, 94.8053



41.5258, 31.8020, 75.9884

Triad

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



33.6888, 31.8020, 94.8053



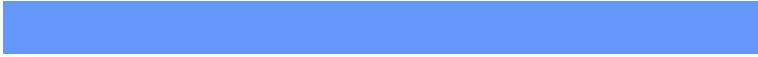
42.4440, 31.8020, 12.9693



18.1335, 31.8020, 23.6139

Complementary

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



33.6888, 31.8020, 94.8053



62.4301, 62.5761, 21.1021

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.



21.1894, 31.8020, 11.9023



33.6888, 31.8020, 94.8053



34.7836, 31.8020, 7.8011

Square

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



33.6888, 31.8020, 94.8053



47.1303, 31.8020, 25.9209



27.0106, 31.8020, 7.5183



17.9421, 31.8020, 45.0921

Rectangle

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



33.6888, 31.8020, 94.8053



45.4822, 31.8020, 57.7597



27.0106, 31.8020, 7.5183



18.8325, 31.8020, 18.6789

Sweetspot

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



33.6901, 31.8031, 94.8061



71.1634, 74.3711, 105.2121



49.7298, 75.2094, 65.2334



14.5123, 15.1313, 22.4057



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.



33.6901, 31.8031, 94.8061



29.0662, 25.3512, 97.9691



30.1296, 20.4486, 92.8021



16.7589, 17.5947, 21.8981



10.9478, 7.2513, 48.7962



1.1074, 0.8585, 4.5505

Inverse Universe

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



49.6652, 31.8676, 32.8122



47.7528, 27.5111, 24.9855



68.4199, 85.7486, 25.2591



17.4848, 17.3213, 19.1430



21.8180, 11.1429, 5.7500



2.0679, 1.0509, 0.7809

Previews

White Background



This preview shows how the XYZ color 33.6888, 31.8020, 94.8053 looks on a white background.

Color Contrast Check

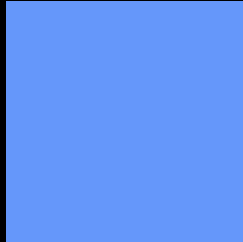
Large Text (above 18pt) WCAG AA × Fail

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 33.6888, 31.8020, 94.8053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

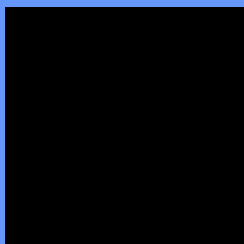
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

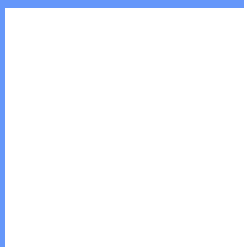
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.6888, 31.8020, 94.8053

Background



This preview shows how black text looks on a background with the XYZ color 33.6888, 31.8020, 94.8053.



This preview shows how white text looks on a background with the XYZ color 33.6888, 31.8020,

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

33.6888, 31.8020, 94.8053

Protanopia

34.5008, 31.7829, 93.1233

Deuteranopia

32.9609, 31.9087, 94.8643



Tritanopia

24.2987, 31.8292, 47.5108

Trichromacy



Original Color

33.6888, 31.8020, 94.8053

Protanomaly

34.3119, 31.9035, 93.9721

Deuteranomaly

33.2029, 31.7915, 94.8289

Tritanomaly

27.1577, 31.6468, 62.4347

Monochromacy



Original Color

33.6888, 31.8020, 94.8053

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.4476, 29.3863, 49.5202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6888, 31.8020, 94.8053 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(101, 151, 250)` looks like.

```
.text, #text, p{  
    color:rgb(101, 151, 250)  
}
```

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(101, 151, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 151, 250) }
```

Border

The CSS property to change the border of an element to XYZ 33.6888, 31.8020, 94.8053 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(101, 151, 250) }
```


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

```
.border{ border-color:rgb(101, 151, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 151, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 151, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 151, 250);  
box-shadow:4px 4px 4px 4px rgb(101, 151,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6888, 31.8020, 94.8053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 151, 250) }
```

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

```
.background{ background-color: rgb(101,  
151, 250) }
```

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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