

Converting Colors

XYZ(34.2716, 31.0933, 98.8030)

Have a look what the booklet for
XYZ(34.2716, 31.0933, 98.8030)
contains.

XYZ(34.3094, 31.0907, 98.8005)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.3094, 31.0907,
98.8005)**

Conversions

Conversions Part 1

Format	Color
Hex	6993FF
RGB	105, 147, 255
RGB Percent	41%, 58%, 100%
CMY	0.5882, 0.4235, 0.0000
CMYK	0.59, 0.42, 0.00, 0.00
HSL	223°, 100%, 71%
HSV	223°, 59%, 100%
XYZ	34.3094, 31.0907, 98.8005
YIQ	146.7540, -59.7000, 24.6840

Conversions

Conversions Part 2

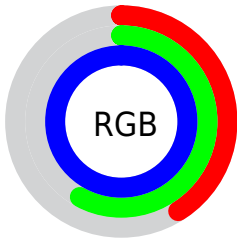
Format	Color
RYB	105, 138, 255
Decimal	6919167
CIELab	62.58, 17.28, -58.14
CIElCh	63, 60.651, 286.558
Yxy	31.0907, 0.2089, 0.1893
Android (android.graphics.Color)	4285109247 (0xFF6993FF)
YUV	146.7540, 53.3653, -36.6183
Hunter-Lab	55.7590, 12.2555, -66.0258

Details

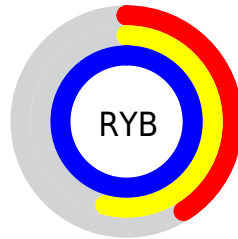
The XYZ color **34.3094, 31.0907, 98.8005** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **67.5859, 69.8716, 23.2910**, and the grayscale version is **27.4375, 28.8663, 31.4354**.

A 20% lighter version of the original color is **54.6625, 57.1003, 102.7482**, and **14.9744, 12.8878, 55.1244** is the 20% darker color. If you saturate the color by 10%, you get **29.1199, 24.5102, 97.8039**, and if you desaturate by 10%, it is **40.8546, 39.0472, 99.9913**.

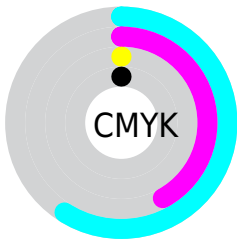
Distribution



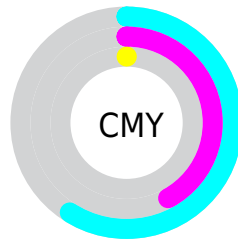
- Red (41%)
- Green (58%)
- Blue (100%)



- Red (41%)
- Yellow (54%)
- Blue (100%)



- Cyan (59%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)



- Cyan (59%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.3094, 31.0907, 98.8005 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 34.3094, 31.0907, 98.8005 by changing the saturation by 10% instead.

■ 34.3094, 31.0907,
98.8005

■ 34.3094, 31.0907,
98.8005

313.0712,
306.9560, 577.5539

■ 23.2954, 20.6679,
74.6879

■ 65.7556, 61.3828,
161.5453

■ 14.9337, 12.8815,
54.8570

■ 86.9186, 82.0210,
201.0145

■ 8.8589, 7.3470,
38.8894

■ 112.1952,
106.8331, 246.4397

■ 4.7056, 3.6800,
26.3666

141.9509,
136.2034, 298.2394

■ 2.1086, 1.4962,
16.8698

176.5509,
170.5165, 356.8321

■ 0.6939, 0.2861,
9.9808

216.3608,

■ 0.0000, 0.0000,

210.1567, 422.6364

5.2808

261.7457,
255.5084, 496.0708

■ 0.0000, 0.0000,
2.3513

■ 0.0000, 0.0000,
0.7598

■ 34.3094, 31.0907,
98.8005

■ 34.3094, 31.0907,
98.8005

■ 29.1199, 24.5102,
97.8039

■ 40.8546, 39.0472,
99.9913

■ 25.1780, 19.2169,
96.9900

■ 48.8448, 48.4547,
101.3860

■ 22.3631, 15.1145,
96.3465

■ 58.3655, 59.3855,
102.9941

■ 20.5071, 12.0783,
95.8582

■ 69.4942, 71.9064,
104.8243

■ 20.3283, 11.7767,
95.8094

■ 82.3031, 86.0797,
106.8849

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.



26.0122, 31.0907, 100.1131



34.3094, 31.0907, 98.8005



42.6397, 31.0907, 75.7219

Triad

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



34.3094, 31.0907, 98.8005



41.8649, 31.0907, 10.4103



16.6445, 31.0907, 24.3461

Complementary

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



34.3094, 31.0907, 98.8005



67.5859, 69.8716, 23.2910

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.



19.4587, 31.0907, 11.2272



34.3094, 31.0907, 98.8005



33.3965, 31.0907, 6.0934

Square

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



34.3094, 31.0907, 98.8005



47.5272, 31.0907, 22.4791



25.2539, 31.0907, 6.2997



16.7973, 31.0907, 48.5316

Rectangle

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



34.3094, 31.0907, 98.8005



46.6379, 31.0907, 55.3497



25.2539, 31.0907, 6.2997



17.2486, 31.0907, 18.7966

Sweetspot

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



34.3106, 31.0917, 98.8007



70.4810, 73.0063, 104.9846



53.5337, 79.3026, 75.1054



14.3477, 14.8022, 22.3509



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.



34.3106, 31.0917, 98.8007



28.1582, 23.2500, 97.6113



33.5020, 22.6859, 97.2208



17.4170, 18.2056, 22.8460



10.7296, 6.3688, 50.0984



1.1322, 0.7950, 4.9071

Inverse Universe

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



51.5589, 33.4713, 31.3476



47.3641, 27.6224, 22.1168



68.5883, 88.1490, 26.7661



18.2184, 18.0707, 19.7671



22.2040, 11.3709, 4.4588



2.2061, 1.1248, 0.6666

Previews

White Background



This preview shows how the XYZ color 34.3094, 31.0907, 98.8005 looks on a white background.

Color Contrast Check

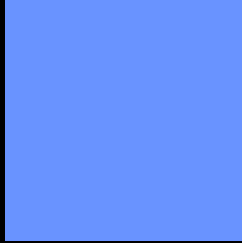
Large Text (above 18pt) WCAG AA × Fail

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 34.3094, 31.0907, 98.8005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

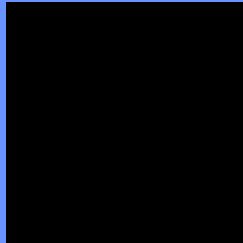
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.3094, 31.0907, 98.8005

Background



This preview shows how black text looks on a background with the XYZ color 34.3094, 31.0907, 98.8005.



This preview shows how white text looks on a background with the XYZ color 34.3094, 31.0907,

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

34.3094, 31.0907, 98.8005

Protanopia

34.3094, 31.0907, 98.8005

Deuteranopia

32.2595, 31.2319, 98.0940



Tritanopia

23.8838, 31.1030, 46.3396

Trichromacy



Original Color

34.3094, 31.0907, 98.8005

Protanomaly

34.3094, 31.0907, 98.8005

Deuteranomaly

32.8202, 31.0432, 98.0280

Tritanomaly

26.9025, 30.7463, 62.2743

Monochromacy



Original Color

34.3094, 31.0907, 98.8005

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.8124, 29.3181, 50.5948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3094, 31.0907, 98.8005 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(105, 147, 255)` looks like.

```
.text, #text, p{  
    color:rgb(105, 147, 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(105, 147, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 147, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.3094, 31.0907, 98.8005 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(105, 147, 255) }
```


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

```
.border{ border-color:rgb(105, 147, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 147, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 147, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 147, 255);  
box-shadow:4px 4px 4px 4px rgb(105, 147,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3094, 31.0907, 98.8005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 147, 255) }
```

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

```
.background{ background-color: rgb(105,  
147, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor