

Converting Colors

XYZ(33.4801, 31.1046,
111.3365)

Have a look what the booklet for
XYZ(33.4801, 31.1046, 111.3365)
contains.

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Color

**XYZ(31.0707, 30.1227,
98.7844)**

Conversions

Conversions Part 1

Format	Color
Hex	4096FF
RGB	64, 150, 255
RGB Percent	25%, 59%, 100%
CMY	0.7490, 0.4118, 0.0000
CMYK	0.75, 0.41, 0.00, 0.00
HSL	213°, 100%, 63%
HSV	213°, 75%, 100%
XYZ	31.0707, 30.1227, 98.7844
YIQ	136.2560, -84.9610, 14.4230

Conversions

Conversions Part 2

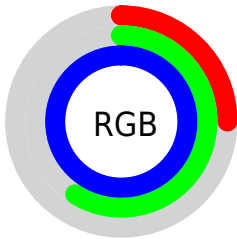
Format	Color
R _{YB}	64, 123, 255
Decimal	4232959
CIE Lab	61.76, 9.26, -59.55
CIE LCh	62, 60.262, 278.842
Yxy	30.1227, 0.1942, 0.1883
Android (android.graphics.Color)	4282423039 (0xFF4096FF)
YUV	136.2560, 58.5408, -63.3685
Hunter-Lab	54.8842, 5.0041, -68.2955

Details

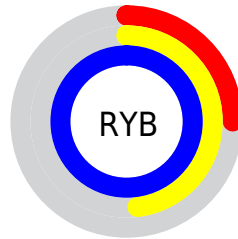
The XYZ color **31.0707, 30.1227, 98.7844** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **56.3562, 50.0111, 11.5354**, and the grayscale version is **23.3098, 24.5238, 26.7064**.

A 20% lighter version of the original color is **49.6345, 55.5566, 102.7152**, and **14.7502, 13.1916, 55.1949** is the 20% darker color. If you saturate the color by 10%, you get **27.6701, 25.2452, 98.0222**, and if you desaturate by 10%, it is **35.4985, 35.9276, 99.6715**.

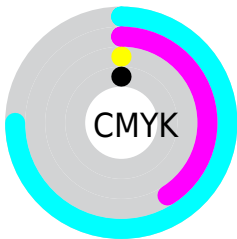
Distribution



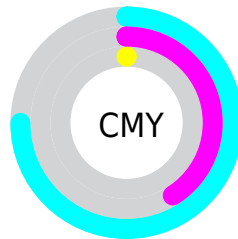
- Red (25%)
- Green (59%)
- Blue (100%)



- Red (25%)
- Yellow (48%)
- Blue (100%)



- Cyan (75%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)



- Cyan (75%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0707, 30.1227, 98.7844 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 31.0707, 30.1227, 98.7844 by changing the saturation by 10% instead.

■ 31.0707, 30.1227,
98.7844

■ 31.0707, 30.1227,
98.7844

298.6850,
302.4760, 577.5016

■ 20.8048, 19.9317,
74.6745

■ 60.7264, 59.8562,
161.5229

■ 13.0930, 12.3454,
54.8462

■ 80.8470, 80.1675,
200.9887

■ 7.5701, 6.9794,
38.8808

■ 104.9831,
104.6210, 246.4101

■ 3.8706, 3.4492,
26.3599

■ 133.5002,
133.6012, 298.2058

■ 1.6292, 1.3705,
16.8649

166.7635,
167.4923, 356.7942

■ 0.4113, 0.1948,
9.9773

205.1386,

■ 0.0000, 0.0000,

206.6789, 422.5940

5.2785

248.9906,
251.5453, 496.0236

■ 0.0000, 0.0000,
2.3500

■ 0.0000, 0.0000,
0.7590

■ 31.0707, 30.1227,
98.7844

■ 31.0707, 30.1227,
98.7844

■ 27.6701, 25.2452,
98.0222

■ 35.4985, 35.9276,
99.6715

■ 25.1712, 21.2156,
97.3761

■ 41.0504, 42.7224,
100.6904

■ 24.1589, 19.4377,
97.0863

■ 47.8147, 50.5654,
101.8477

■ 55.8690, 59.5088,
103.1495

■ 65.2842, 69.6006,
104.6012

■ 76.1255, 80.8859,
106.2080

■ 88.4539, 93.4066,
107.9750

■ 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.



23.4106, 30.1227, 93.7506



31.0707, 30.1227, 98.7844



39.4494, 30.1227, 80.7140

Triad

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



31.0707, 30.1227, 98.7844



42.4220, 30.1227, 12.1449



16.5086, 30.1227, 19.2848

Complementary

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



31.0707, 30.1227, 98.7844



56.3562, 50.0111, 11.5354

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.



19.9963, 30.1227, 9.0033



31.0707, 30.1227, 98.7844



34.5743, 30.1227, 6.4263

Square

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



31.0707, 30.1227, 98.7844



46.7618, 30.1227, 26.4591



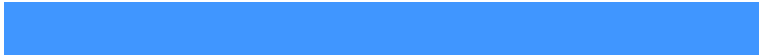
26.3220, 30.1227, 5.6329



15.9217, 30.1227, 40.0773

Rectangle

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



31.0707, 30.1227, 98.7844



43.9836, 30.1227, 61.4163



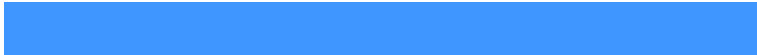
26.3220, 30.1227, 5.6329



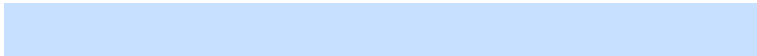
17.3444, 30.1227, 14.8245

Sweetspot

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



31.0718, 30.1236, 98.7845



68.2747, 72.7446, 105.0504



44.7466, 75.3590, 48.2028



14.0135, 14.9397, 22.3950



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.



31.0718, 30.1236, 98.7845



26.2909, 23.0881, 97.6785



22.4375, 12.2047, 95.7809



17.6764, 18.7245, 22.9325



12.7678, 10.4451, 50.7778



1.3504, 1.2315, 4.9798

Inverse Universe

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



48.5793, 27.1304, 31.5310



45.5494, 23.5572, 22.8550



75.6223, 91.9628, 18.6175



18.3493, 18.1230, 20.4567



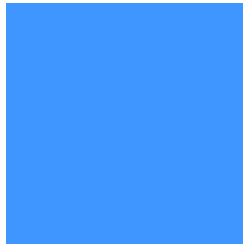
23.2328, 11.7824, 9.8762



2.3162, 1.1689, 1.2467

Previews

White Background



This preview shows how the XYZ color 31.0707, 30.1227, 98.7844 looks on a white background.

Color Contrast Check

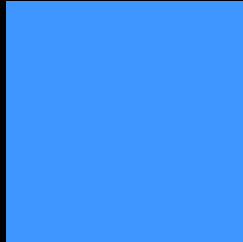
Large Text (above 18pt) WCAG AA × Fail

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 31.0707, 30.1227, 98.7844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

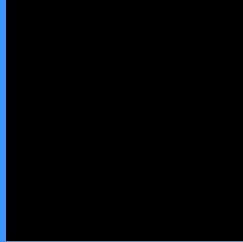
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

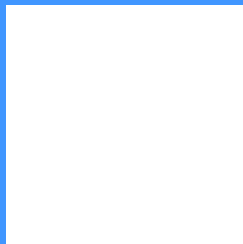
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0707, 30.1227, 98.7844

Background



This preview shows how black text looks on a background with the XYZ color 31.0707, 30.1227, 98.7844.



This preview shows how white text looks on a background with the XYZ color 31.0707, 30.1227,

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

31.0707, 30.1227, 98.7844

Protanopia

33.0896, 30.0960, 94.5076

Deuteranopia

31.2031, 30.1909, 98.7906



Tritanopia

21.3909, 30.0846, 46.2745

Trichromacy



Original Color

31.0707, 30.1227, 98.7844

Protanomaly

32.1242, 30.0196, 96.1967

Deuteranomaly

31.1363, 30.1565, 98.7875

Tritanomaly

23.9436, 29.7315, 62.2344

Monochromacy



Original Color

31.0707, 30.1227, 98.7844

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

24.0920, 25.6194, 46.3231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0707, 30.1227, 98.7844 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(64, 150, 255)` looks like.

```
.text, #text, p{  
    color:rgb(64, 150, 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(64, 150, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 150, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.0707, 30.1227, 98.7844 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(64, 150, 255) }
```


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

```
.border{ border-color:rgb(64, 150, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 150, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 150, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 150, 255);  
box-shadow:4px 4px 4px 4px rgb(64, 150,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0707, 30.1227, 98.7844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 150, 255) }
```

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

```
.background{ background-color: rgb(64, 150,  
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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