

Converting Colors

XYZ(37.1237, 32.5071,
128.7735)

Have a look what the booklet for
XYZ(37.1237, 32.5071, 128.7735)
contains.

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Color

**XYZ(31.4821, 30.3348,
98.8037)**

Conversions

Conversions Part 1

Format	Color
Hex	4696FF
RGB	70, 150, 255
RGB Percent	27%, 59%, 100%
CMY	0.7254, 0.4118, 0.0000
CMYK	0.73, 0.41, 0.00, 0.00
HSL	214°, 100%, 64%
HSV	214°, 73%, 100%
XYZ	31.4821, 30.3348, 98.8037
YIQ	138.0500, -81.3850, 15.6950

Conversions

Conversions Part 2

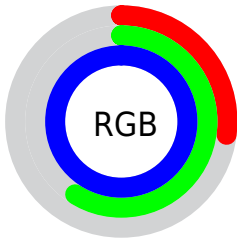
Format	Color
R_{YB}	70, 126, 255
Decimal	4626175
CIE Lab	61.94, 9.99, -59.24
CIE LCh	62, 60.082, 279.573
Yxy	30.3348, 0.1960, 0.1889
Android (android.graphics.Color)	4282816255 (0xFF4696FF)
YUV	138.0500, 57.6564, -59.6798
Hunter-Lab	55.0770, 5.6460, -67.8075

Details

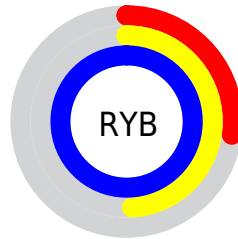
The XYZ color **31.4821, 30.3348, 98.8037** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **57.6779, 52.3664, 12.8641**, and the grayscale version is **23.9876, 25.2368, 27.4829**.

A 20% lighter version of the original color is **50.2903, 55.8947, 102.7459**, and **14.7502, 13.1916, 55.1949** is the 20% darker color. If you saturate the color by 10%, you get **27.8486, 25.2425, 98.0122**, and if you desaturate by 10%, it is **36.1833, 36.4017, 99.7269**.

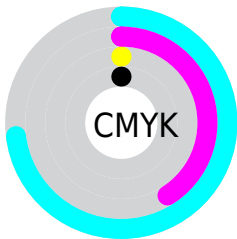
Distribution



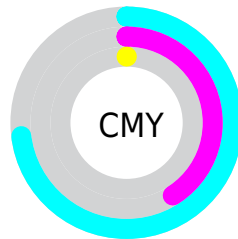
- Red (27%)
- Green (59%)
- Blue (100%)



- Red (27%)
- Yellow (49%)
- Blue (100%)



- Cyan (73%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)



- Cyan (73%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4821, 30.3348, 98.8037 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 31.4821, 30.3348, 98.8037 by changing the saturation by 10% instead.

■ 31.4821, 30.3348,
98.8037

■ 31.4821, 30.3348,
98.8037

300.5406,
303.4619, 577.5643

■ 21.1199, 20.0929,
74.6905

■ 61.3690, 60.1912,
161.5497

■ 13.3246, 12.4626,
54.8592

■ 81.6243, 80.5745,
201.0197

■ 7.7310, 7.0595,
38.8912

■ 105.9081,
105.1070, 246.4456

■ 3.9736, 3.4994,
26.3679

■ 134.5857,
134.1732, 298.2461

■ 1.6872, 1.3977,
16.8708

168.0223,
168.1573, 356.8397

■ 0.4483, 0.2150,
9.9815

206.5835,

■ 0.0000, 0.0000,

207.4439, 422.6448

5.2812

250.6344,
252.4173, 496.0802

■ 0.0000, 0.0000,
2.3516

■ 0.0000, 0.0000,
0.7599

■ 31.4821, 30.3348,
98.8037

■ 31.4821, 30.3348,
98.8037

■ 27.8486, 25.2425,
98.0122

■ 36.1833, 36.4017,
99.7269

■ 25.1627, 21.0464,
97.3439

■ 42.0467, 43.5055,
100.7890

■ 23.6543, 18.4287,
96.9181

■ 49.1588, 51.7051,
101.9969

■ 57.5965, 61.0532,
103.3565

■ 67.4299, 71.5989,
104.8738

■ 78.7241, 83.3878,
106.5540

■ 91.5396, 96.4631,
108.4023

■ 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.



23.7634, 30.3348, 94.3689



31.4821, 30.3348, 98.8037



39.8523, 30.3348, 80.2982

Triad

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



31.4821, 30.3348, 98.8037



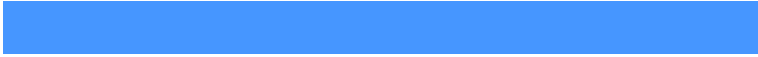
42.4752, 30.3348, 12.0820



16.6299, 30.3348, 19.8547

Complementary

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



31.4821, 30.3348, 98.8037



57.6779, 52.3664, 12.8641

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.



20.0578, 30.3348, 9.2976



31.4821, 30.3348, 98.8037



34.5752, 30.3348, 6.4785

Square

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



31.4821, 30.3348, 98.8037



46.9338, 30.3348, 26.1962



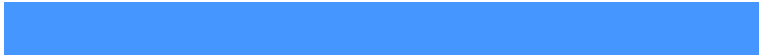
26.3356, 30.3348, 5.7736



16.1106, 30.3348, 40.9583

Rectangle

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



31.4821, 30.3348, 98.8037



44.3333, 30.3348, 60.9293



26.3356, 30.3348, 5.7736



17.4450, 30.3348, 15.2899

Sweetspot

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



31.4832, 30.3357, 98.8038



68.0065, 72.2082, 104.9610



46.0087, 75.9113, 52.7018



13.9505, 14.8136, 22.3740



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.



31.4832, 30.3357, 98.8038



26.5426, 23.2671, 97.6998



23.7506, 13.4112, 95.9446



17.6490, 18.6696, 22.9233



12.5016, 9.9129, 50.6891



1.3233, 1.1774, 4.9708

Inverse Universe

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



48.9360, 27.8439, 31.6500



45.7557, 23.9431, 23.0062



73.7134, 90.9579, 19.4679



18.3355, 18.1175, 20.3838



23.0984, 11.7287, 9.1689



2.3026, 1.1634, 1.1748

Previews

White Background



This preview shows how the XYZ color 31.4821, 30.3348, 98.8037 looks on a white background.

Color Contrast Check

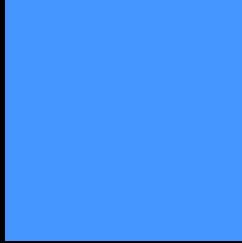
Large Text (above 18pt) WCAG AA × Fail

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 31.4821, 30.3348, 98.8037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

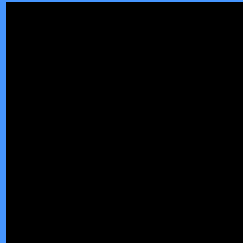
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

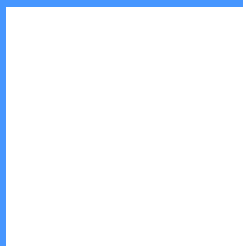
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4821, 30.3348, 98.8037

Background



This preview shows how black text looks on a background with the XYZ color 31.4821, 30.3348, 98.8037.



This preview shows how white text looks on a background with the XYZ color 31.4821, 30.3348,

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

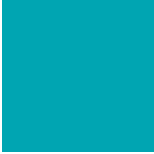
31.4821, 30.3348, 98.8037

Protanopia

33.0896, 30.0960, 94.5076

Deuteranopia

31.3402, 30.2616, 98.7970



Tritanopia

21.4910, 30.1246, 46.8014

Trichromacy



Original Color

31.4821, 30.3348, 98.8037

Protanomaly

32.4180, 30.1710, 96.2104

Deuteranomaly

31.4106, 30.2979, 98.8003

Tritanomaly

24.1123, 29.8045, 62.8745

Monochromacy



Original Color

31.4821, 30.3348, 98.8037

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

24.8235, 26.1929, 47.4635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4821, 30.3348, 98.8037 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(70, 150, 255)` looks like.

```
.text, #text, p{  
    color:rgb(70, 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(70, 150, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 150, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.4821, 30.3348, 98.8037 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(70, 150, 255) }
```


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

```
.border{ border-color:rgb(70, 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(70, 150, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 150, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 150, 255);  
box-shadow:4px 4px 4px 4px rgb(70, 150,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4821, 30.3348, 98.8037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 150, 255) }
```

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

```
.background{ background-color: rgb(70, 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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