

Converting Colors

XYZ(31.2531, 29.7244, 98.6979)

Have a look what the booklet for
XYZ(31.2531, 29.7244, 98.6979)
contains.

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Color

**XYZ(31.2384, 29.7394,
98.7016)**

Conversions

Conversions Part 1

Format	Color
Hex	4794FF
RGB	71, 148, 255
RGB Percent	28%, 58%, 100%
CMY	0.7215, 0.4196, 0.0000
CMYK	0.72, 0.42, 0.00, 0.00
HSL	215°, 100%, 64%
HSV	215°, 72%, 100%
XYZ	31.2384, 29.7394, 98.7016
YIQ	137.1750, -80.2390, 16.9530

Conversions

Conversions Part 2

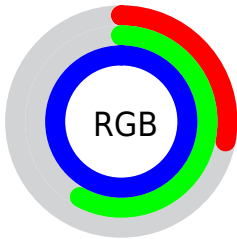
Format	Color
R _Y B	71, 125, 255
Decimal	4691199
CIE Lab	61.43, 11.31, -60.06
CIE LCh	61, 61.119, 280.663
Yxy	29.7394, 0.1956, 0.1862
Android (android.graphics.Color)	4282881279 (0xFF4794FF)
YUV	137.1750, 58.0877, -58.0355
Hunter-Lab	54.5338, 6.8152, -69.1361

Details

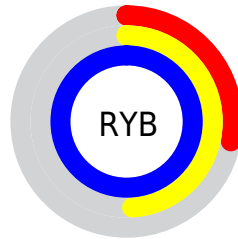
The XYZ color **31.2384, 29.7394, 98.7016** is a light color, and the websafe version is hex **6699FF**. The color can be described as light washed azure. A complement of this color would be **58.3002, 53.5601, 13.2286**, and the grayscale version is **23.6547, 24.8866, 27.1015**.

A 20% lighter version of the original color is **49.9857, 55.0365, 102.5963**, and **14.5607, 12.8126, 55.1317** is the 20% darker color. If you saturate the color by 10%, you get **27.5659, 24.6117, 97.9054**, and if you desaturate by 10%, it is **35.9951, 35.8690, 99.6340**.

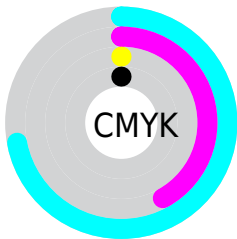
Distribution



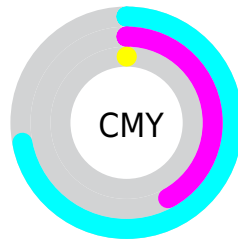
- Red (28%)
- Green (58%)
- Blue (100%)



- Red (28%)
- Yellow (49%)
- Blue (100%)



- Cyan (72%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)



- Cyan (72%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2384, 29.7394, 98.7016 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 31.2384, 29.7394, 98.7016 by changing the saturation by 10% instead.

■ 31.2384, 29.7394,
98.7016

■ 31.2384, 29.7394,
98.7016

299.4424,
300.6878, 577.2329

■ 20.9332, 19.6409,
74.6058

■ 60.9885, 59.2498,
161.4080

■ 13.1873, 12.1343,
54.7902

■ 81.1641, 79.4305,
200.8557

■ 7.6356, 6.8352,
38.8363

■ 105.3605,
103.7407, 246.2578

■ 3.9125, 3.3592,
26.3256

■ 133.9431,
132.5647, 298.0328

■ 1.6527, 1.3220,
16.8394

167.2772,
166.2871, 356.5993

■ 0.4264, 0.1582,
9.9593

205.7283,

■ 0.0000, 0.0000,

205.2921, 422.3758

5.2667

249.6615,
249.9642, 495.7808

■ 0.0000, 0.0000,
2.3431

■ 0.0000, 0.0000,
0.7552

■ 31.2384, 29.7394,
98.7016

■ 31.2384, 29.7394,
98.7016

■ 27.5659, 24.6117,
97.9054

■ 35.9951, 35.8690,
99.6340

■ 24.8575, 20.4064,
97.2364

■ 41.9307, 43.0643,
100.7100

■ 23.2769, 17.6738,
96.7923

■ 49.1321, 51.3853,
101.9366

■ 57.6766, 60.8863,
103.3201

■ 67.6348, 71.6173,
104.8665

■ 79.0723, 83.6253,
106.5815

■ 92.0500, 96.9545,
108.4703

■ 95.0500, 100.0000,
108.9000

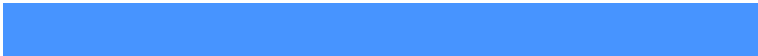
Harmonies

Analogous

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



23.4299, 29.7394, 95.0870



31.2384, 29.7394, 98.7016



39.6411, 29.7394, 79.1899

Triad

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



31.2384, 29.7394, 98.7016



41.7583, 29.7394, 11.1866



15.9994, 29.7394, 19.7744

Complementary

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



31.2384, 29.7394, 98.7016



58.3002, 53.5601, 13.2286

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.



19.3068, 29.7394, 9.0046



31.2384, 29.7394, 98.7016



33.7265, 29.7394, 5.9339

Square

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



31.2384, 29.7394, 98.7016



46.4388, 29.7394, 24.8291



25.4892, 29.7394, 5.3898



15.5870, 29.7394, 41.3276

Rectangle

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



31.2384, 29.7394, 98.7016



44.0804, 29.7394, 59.4242



25.4892, 29.7394, 5.3898



16.7749, 29.7394, 15.1134

Sweetspot

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



31.2395, 29.7403, 98.7017



67.7976, 71.7904, 104.8914



46.1240, 75.9659, 52.9295



13.9015, 14.7155, 22.3576



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.



31.2395, 29.7403, 98.7017



26.1406, 22.4631, 97.5658



23.8958, 13.5797, 95.9694



17.6276, 18.6267, 22.9162



12.3022, 9.5140, 50.6226



1.3029, 1.1364, 4.9640

Inverse Universe

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



48.8394, 27.9062, 30.8298



45.5528, 23.8620, 21.9377



73.7682, 90.9825, 19.6366



18.3247, 18.1132, 20.3268



22.9978, 11.6884, 8.6388



2.2922, 1.1593, 1.1203

Previews

White Background



This preview shows how the XYZ color 31.2384, 29.7394, 98.7016 looks on a white background.

Color Contrast Check

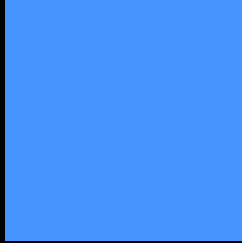
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.2384, 29.7394, 98.7016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

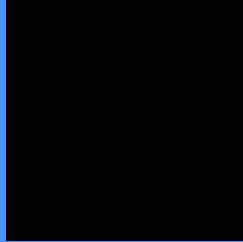
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

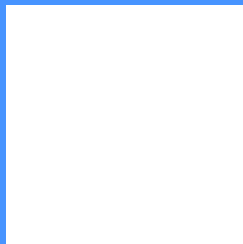
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2384, 29.7394, 98.7016

Background



This preview shows how black text looks on a background with the XYZ color 31.2384, 29.7394, 98.7016.



This preview shows how white text looks on a background with the XYZ color 31.2384, 29.7394,

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

31.2384, 29.7394, 98.7016

Protanopia

32.7527, 29.6783, 95.2690

Deuteranopia

30.8473, 29.7717, 98.7284



Tritanopia

21.1119, 29.6855, 45.6915

Trichromacy



Original Color

31.2384, 29.7394, 98.7016

Protanomaly

31.9125, 29.4527, 96.0984

Deuteranomaly

31.0442, 29.8731, 98.7376

Tritanomaly

23.6723, 29.0811, 62.1232

Monochromacy



Original Color

31.2384, 29.7394, 98.7016

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

24.5731, 25.8558, 46.8755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2384, 29.7394, 98.7016 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(71, 148, 255)` looks like.

```
.text, #text, p{  
    color:rgb(71, 148, 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(71, 148, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 148, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.2384, 29.7394, 98.7016 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(71, 148, 255) }
```


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

```
.border{ border-color:rgb(71, 148, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 148, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 148, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 148, 255);  
box-shadow:4px 4px 4px 4px rgb(71, 148,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2384, 29.7394, 98.7016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 148, 255) }
```

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

```
.background{ background-color: rgb(71, 148,  
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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