

Converting Colors

XYZ(31.4950, 22.7853, 97.3458)

Have a look what the booklet for
XYZ(31.4950, 22.7853, 97.3458)
contains.

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Color

**XYZ(31.4519, 22.7303,
97.3374)**

Conversions

Conversions Part 1

Format	Color
Hex	7770FF
RGB	119, 112, 255
RGB Percent	47%, 44%, 100%
CMY	0.5333, 0.5608, 0.0000
CMYK	0.53, 0.56, 0.00, 0.00
HSL	243°, 100%, 72%
HSV	243°, 56%, 100%
XYZ	31.4519, 22.7303, 97.3374
YIQ	130.3950, -41.7310, 45.9570

Conversions

Conversions Part 2

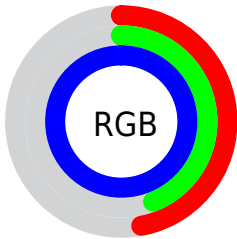
Format	Color
R_{YB}	119, 112, 255
Decimal	7827711
CIE _{Lab}	54.79, 40.69, -70.61
CIE _{LCh}	55, 81.495, 299.957
Yxy	22.7303, 0.2076, 0.1500
Android (android.graphics.Color)	4286017791 (0xFF7770FF)
YUV	130.3950, 61.4303, -9.9934
Hunter-Lab	47.6763, 34.3223, -87.6749

Details

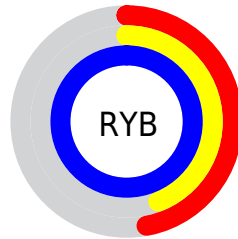
The XYZ color **31.4519, 22.7303, 97.3374** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **77.3942, 92.6454, 29.1328**, and the grayscale version is **21.1586, 22.2605, 24.2417**.

A 20% lighter version of the original color is **50.1479, 43.4742, 100.3560**, and **13.2767, 8.4018, 53.7453** is the 20% darker color. If you saturate the color by 10%, you get **26.1119, 16.3757, 96.3923**, and if you desaturate by 10%, it is **38.4393, 31.1167, 98.5879**.

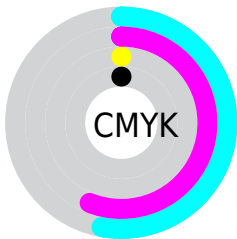
Distribution



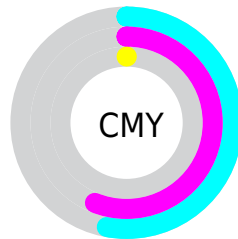
- Red (47%)
- Green (44%)
- Blue (100%)



- Red (47%)
- Yellow (44%)
- Blue (100%)



- Cyan (53%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4519, 22.7303, 97.3374 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 31.4519, 22.7303, 97.3374 by changing the saturation by 10% instead.

■ 31.4519, 22.7303,
97.3374

■ 31.4519, 22.7303,
97.3374

300.4047,
266.3367, 572.7955

■ 21.0967, 14.3945,
73.4743

■ 61.3219, 47.9501,
159.5131

■ 13.3076, 8.3955,
53.8697

■ 81.5673, 65.6029,
198.6629

■ 7.7191, 4.3491,
38.1050

■ 105.8403, 87.1301,
243.7452

■ 3.9661, 1.8707,
25.7618

■ 134.5061,
112.9162, 295.1788

■ 1.6829, 0.5307,
16.4213

167.9301,
143.3455, 353.3821

■ 0.4456, 0.0000,
9.6652

206.4776,

■ 0.0000, 0.0000,

178.8024, 418.7736

5.0749

250.5140,
219.6714, 491.7719

■ 0.0000, 0.0000,
2.2317

■ 0.0000, 0.0000,
0.6926

■ 31.4519, 22.7303,
97.3374

■ 31.4519, 22.7303,
97.3374

■ 26.1119, 16.3757,
96.3923

■ 38.4393, 31.1167,
98.5879

■ 22.2811, 11.8785,
95.7262

■ 47.1912, 41.6857,
100.1666

■ 19.8041, 9.0385,
95.3086

■ 57.8176, 54.5759,
102.0946

■ 18.4895, 7.6077,
95.1017

■ 70.4185, 69.9140,
104.3910

■ 18.2086, 7.3018,
95.0574

■ 85.0870, 87.8176,
107.0737

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.



21.5914, 22.7303, 114.7888



31.4519, 22.7303, 97.3374



40.3197, 22.7303, 58.7898

Triad

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



31.4519, 22.7303, 97.3374



31.4811, 22.7303, 1.8603



8.5061, 22.7303, 24.7119

Complementary

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



31.4519, 22.7303, 97.3374



77.3942, 92.6454, 29.1328

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.



9.8176, 22.7303, 7.3021



31.4519, 22.7303, 97.3374



21.6176, 22.7303, 0.9072

Square

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



31.4519, 22.7303, 97.3374



40.3396, 22.7303, 7.3310



14.0624, 22.7303, 1.8537



9.8098, 22.7303, 58.6740

Rectangle

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



31.4519, 22.7303, 97.3374



43.5242, 22.7303, 34.4406



14.0624, 22.7303, 1.8537



8.6494, 22.7303, 17.0716

Sweetspot

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



31.4529, 22.7309, 97.3375



69.1716, 68.3943, 104.1634



58.9904, 79.1812, 106.7821



14.2370, 13.9464, 22.1915



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.



31.4529, 22.7309, 97.3375



25.6977, 15.8861, 96.3197



44.6492, 29.5339, 97.9551



17.0853, 17.4202, 22.7119



9.5488, 3.8331, 49.6712



0.9574, 0.3875, 4.8376

Inverse Universe

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



63.9767, 39.6256, 93.0792



61.1535, 34.3166, 91.0976



57.2136, 82.2419, 28.1883



18.7520, 18.2841, 22.5770



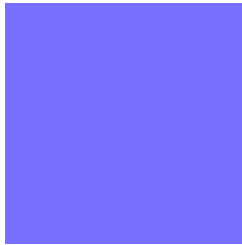
29.9800, 14.4813, 45.4066



2.9304, 1.4145, 4.4810

Previews

White Background



This preview shows how the XYZ color 31.4519, 22.7303, 97.3374 looks on a white background.

Color Contrast Check

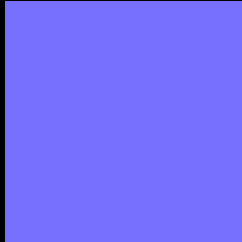
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4519, 22.7303, 97.3374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

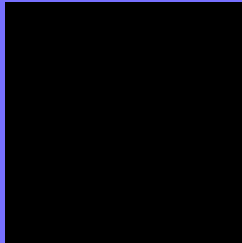
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.4519, 22.7303, 97.3374

Background



This preview shows how black text looks on a background with the XYZ color 31.4519, 22.7303, 97.3374.

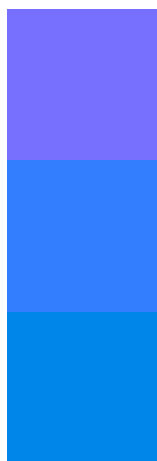


This preview shows how white text looks on a background with the XYZ color 31.4519, 22.7303,

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

31.4519, 22.7303, 97.3374

Protanopia

26.8761, 22.8455, 97.6008

Deuteranopia

23.0955, 22.6582, 80.2470



Tritanopia

18.4747, 22.5844, 32.6637

Trichromacy



Original Color

31.4519, 22.7303, 97.3374

Protanomaly

27.8679, 22.4312, 97.4686

Deuteranomaly

24.2071, 21.5317, 86.0993

Tritanomaly

21.9653, 21.9160, 51.2166

Monochromacy



Original Color

31.4519, 22.7303, 97.3374

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

23.4250, 21.6967, 43.5107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4519, 22.7303, 97.3374 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(119, 112, 255)` looks like.

```
.text, #text, p{  
    color:rgb(119, 112, 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(119, 112, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 112, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.4519, 22.7303, 97.3374 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(119, 112, 255) }
```


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

```
.border{ border-color:rgb(119, 112, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 112, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 112, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 112, 255);  
box-shadow:4px 4px 4px 4px rgb(119, 112,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4519, 22.7303, 97.3374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 112, 255) }
```

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

```
.background{ background-color: rgb(119,  
112, 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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