

Converting Colors

XYZ(31.9620, 23.1968, 97.4006)

Have a look what the booklet for
XYZ(31.9620, 23.1968, 97.4006)
contains.

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Color

**XYZ(31.9812, 23.1678,
97.3940)**

Conversions

Conversions Part 1

Format	Color
Hex	7A71FF
RGB	122, 113, 255
RGB Percent	48%, 44%, 100%
CMY	0.5215, 0.5569, 0.0000
CMYK	0.52, 0.56, 0.00, 0.00
HSL	244°, 100%, 72%
HSV	244°, 56%, 100%
XYZ	31.9812, 23.1678, 97.3940
YIQ	131.8790, -40.2180, 46.0700

Conversions

Conversions Part 2

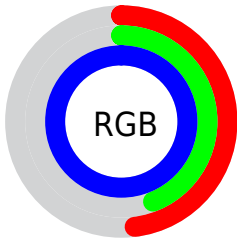
Format	Color
R_{YB}	122, 113, 255
Decimal	8024575
CIE _{Lab}	55.24, 40.68, -69.87
CIE _{LCh}	55, 80.846, 300.209
Yxy	23.1678, 0.2097, 0.1519
Android (android.graphics.Color)	4286214655 (0xFF7A71FF)
YUV	131.8790, 60.6987, -8.6639
Hunter-Lab	48.1329, 34.3690, -86.2766

Details

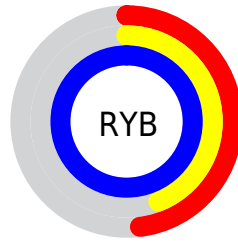
The XYZ color **31.9812, 23.1678, 97.3940** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **76.7446, 92.3040, 29.3946**, and the grayscale version is **21.6884, 22.8179, 24.8487**.

A 20% lighter version of the original color is **50.7965, 44.0754, 100.4379**, and **13.5992, 8.6526, 53.7767** is the 20% darker color. If you saturate the color by 10%, you get **26.5493, 16.7213, 96.4360**, and if you desaturate by 10%, it is **39.0449, 31.6418, 98.6573**.

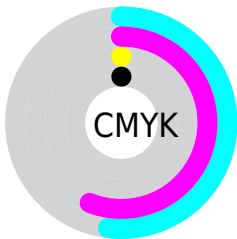
Distribution



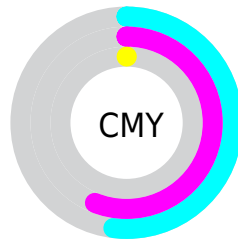
- Red (48%)
- Green (44%)
- Blue (100%)



- Red (48%)
- Yellow (44%)
- Blue (100%)



- Cyan (52%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)



- Cyan (52%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9812, 23.1678, 97.3940 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 31.9812, 23.1678, 97.3940 by changing the saturation by 10% instead.

■ 31.9812, 23.1678,
97.3940

■ 31.9812, 23.1678,
97.3940

302.7804,
268.5857, 572.9800

■ 21.5026, 14.7175,
73.5212

■ 62.1470, 48.6687,
159.5918

■ 13.6064, 8.6213,
53.9079

■ 82.5649, 66.4881,
198.7539

■ 7.9273, 4.4950,
38.1353

■ 107.0267, 88.1992,
243.8496

■ 4.0999, 1.9541,
25.7851

■ 135.8977,
114.1866, 295.2974

■ 1.7588, 0.5806,
16.4386

169.5431,
144.8345, 353.5157

■ 0.4927, 0.0000,
9.6774

208.3285,

■ 0.0000, 0.0000,

180.5274, 418.9233

5.0828

252.6192,
221.6496, 491.9385

■ 0.0000, 0.0000,
2.2363

■ 0.0000, 0.0000,
0.6952

■ 31.9812, 23.1678,
97.3940

■ 31.9812, 23.1678,
97.3940

■ 26.5493, 16.7213,
96.4360

■ 39.0449, 31.6418,
98.6573

■ 22.6153, 12.1308,
95.7573

■ 47.8539, 42.2918,
100.2487

■ 20.0293, 9.1995,
95.3278

■ 58.5151, 55.2547,
102.1889

■ 18.6079, 7.6853,
95.1104

■ 71.1259, 70.6554,
104.4969

■ 18.2667, 7.3317,
95.0601

■ 85.7769, 88.6102,
107.1903

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.



22.0838, 23.1678, 115.0064



31.9812, 23.1678, 97.3940



40.8243, 23.1678, 58.9466

Triad

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



31.9812, 23.1678, 97.3940



31.8406, 23.1678, 1.9892



8.8056, 23.1678, 25.4078

Complementary

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



31.9812, 23.1678, 97.3940



76.7446, 92.3040, 29.3946

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.



10.1130, 23.1678, 7.6893



31.9812, 23.1678, 97.3940



21.9570, 23.1678, 1.0077

Square

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



31.9812, 23.1678, 97.3940



40.7287, 23.1678, 7.5478



14.3776, 23.1678, 2.0227



10.1507, 23.1678, 59.5021

Rectangle

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



31.9812, 23.1678, 97.3940



43.9891, 23.1678, 34.6794



14.3776, 23.1678, 2.0227



8.9438, 23.1678, 17.6683

Sweetspot

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



31.9822, 23.1685, 97.3941



69.3544, 68.4885, 104.1720



58.3968, 77.8041, 106.5476



14.2794, 13.9683, 22.1935



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.



31.9822, 23.1685, 97.3941



25.9498, 16.0161, 96.3315



45.4663, 30.1198, 98.0251



17.1096, 17.4327, 22.7130



9.5850, 3.8517, 49.6729



0.9689, 0.3934, 4.8381

Inverse Universe

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



63.7788, 39.7239, 91.4899



60.7761, 34.1656, 89.1101



56.8494, 82.0477, 28.4635



18.7400, 18.2793, 22.5139



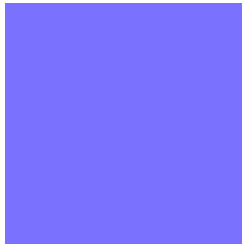
29.6977, 14.3684, 43.9198



2.9060, 1.4048, 4.3524

Previews

White Background



This preview shows how the XYZ color 31.9812, 23.1678, 97.3940 looks on a white background.

Color Contrast Check

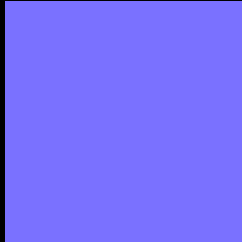
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.9812, 23.1678, 97.3940 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 31.9812, 23.1678, 97.3940

Background



This preview shows how black text looks on a background with the XYZ color 31.9812, 23.1678, 97.3940.



This preview shows how white text looks on a background with the XYZ color 31.9812, 23.1678,

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

31.9812, 23.1678, 97.3940

Protanopia

27.4001, 23.4991, 97.6994

Deuteranopia

23.8043, 23.3841, 82.6158



Tritanopia

18.9885, 23.0652, 32.7294

Trichromacy



Original Color

31.9812, 23.1678, 97.3940

Protanomaly

28.4412, 23.0914, 97.5658

Deuteranomaly

24.8057, 22.1853, 87.7688

Tritanomaly

22.4235, 22.3487, 51.2760

Monochromacy



Original Color

31.9812, 23.1678, 97.3940

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

24.1715, 22.4308, 44.6506

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9812, 23.1678, 97.3940 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(122, 113, 255)` looks like.

```
.text, #text, p{  
    color:rgb(122, 113, 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(122, 113, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 113, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.9812, 23.1678, 97.3940 is called "border". The border property can be set on classes, ids or directly on the HTML element.

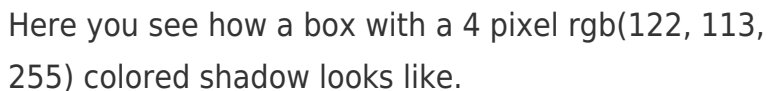
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(122, 113, 255) }
```


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

```
.border{ border-color:rgb(122, 113, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(122, 113, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 113, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 113, 255); box-shadow:4px 4px 4px 4px rgb(122, 113, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9812, 23.1678, 97.3940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 113, 255) }
```

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

```
.background{ background-color: rgb(122,  
113, 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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