

Converting Colors

XYZ(31.7953, 21.3593, 97.0547)

Have a look what the booklet for
XYZ(31.7953, 21.3593, 97.0547)
contains.

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Color

**XYZ(31.8546, 21.3899,
97.0575)**

Conversions

Conversions Part 1

Format	Color
Hex	8166FF
RGB	129, 102, 255
RGB Percent	51%, 40%, 100%
CMY	0.4941, 0.6000, 0.0000
CMYK	0.49, 0.60, 0.00, 0.00
HSL	251°, 100%, 70%
HSV	251°, 60%, 100%
XYZ	31.8546, 21.3899, 97.0575
YIQ	127.5150, -33.0210, 53.3070

Conversions

Conversions Part 2

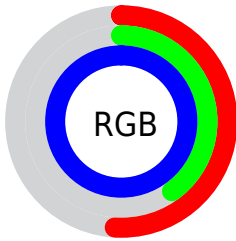
Format	Color
R _Y B	129, 102, 255
Decimal	8480511
CIE Lab	53.37, 48.28, -72.87
CIE LCh	53, 87.415, 303.528
Yxy	21.3899, 0.2119, 0.1423
Android (android.graphics.Color)	4286670591 (0xFF8166FF)
YUV	127.5150, 62.8501, 1.3023
Hunter-Lab	46.2492, 42.0075, -92.0501

Details

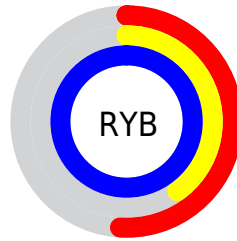
The XYZ color **31.8546, 21.3899, 97.0575** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **70.1519, 88.9726, 26.0467**, and the grayscale version is **20.1493, 21.1986, 23.0853**.

A 20% lighter version of the original color is **50.5919, 41.1500, 99.8840**, and **13.5311, 7.7012, 53.5966** is the 20% darker color. If you saturate the color by 10%, you get **26.8542, 15.6467, 96.2125**, and if you desaturate by 10%, it is **38.2828, 29.0130, 98.1901**.

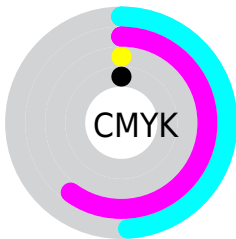
Distribution



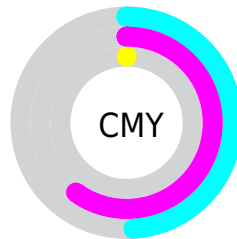
- Red (51%)
- Green (40%)
- Blue (100%)



- Red (51%)
- Yellow (40%)
- Blue (100%)



- Cyan (49%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (49%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8546, 21.3899, 97.0575 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 31.8546, 21.3899, 97.0575 by changing the saturation by 10% instead.

 31.8546, 21.3899,
97.0575

 31.8546, 21.3899,
97.0575


302.2134,
259.3434, 571.8828

 21.4055, 13.4093,
73.2423


 61.9498, 45.7355,
159.1240


 13.5349, 7.7110,
53.6811


 82.3266, 62.8694,
198.2124

 7.8774, 3.9106,
37.9553

 106.7433, 83.8231,
243.2290

 4.0677, 1.6237,
25.6464

 135.5654,
108.9810, 294.5922

 1.7405, 0.3735,
16.3359

169.1580,
138.7277, 352.7207

 0.4814, 0.0000,
9.6053

207.8867,

 0.0000, 0.0000,

173.4473, 418.0329

5.0359

252.1167,
213.5244, 490.9474

■ 0.0000, 0.0000,
2.2092

■ 0.0000, 0.0000,
0.6797

■ 31.8546, 21.3899,
97.0575

■ 31.8546, 21.3899,
97.0575

■ 26.8542, 15.6467,
96.2125

■ 38.2828, 29.0130,
98.1901

■ 23.1650, 11.6143,
95.6286

■ 46.2368, 38.6612,
99.6332

■ 20.6557, 9.0954,
95.2747

■ 55.8093, 50.4675,
101.4075

■ 19.1326, 7.7781,
95.1007

■ 67.0844, 64.5528,
103.5319

■ 19.1325, 7.7781,
95.1007

■ 80.1404, 81.0291,
106.0241

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.



21.4476, 21.3899, 120.4746



31.8546, 21.3899, 97.0575



40.8320, 21.3899, 54.2725

Triad

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



31.8546, 21.3899, 97.0575



29.3589, 21.3899, 0.9629



7.2219, 21.3899, 26.5759

Complementary

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



31.8546, 21.3899, 97.0575



70.1519, 88.9726, 26.0467

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.



8.1822, 21.3899, 7.1381



31.8546, 21.3899, 97.0575



19.2528, 21.3899, 0.3337

Square

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



31.8546, 21.3899, 97.0575



39.1101, 21.3899, 4.9387



11.9868, 21.3899, 1.3897



8.7950, 21.3899, 64.4126

Rectangle

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



31.8546, 21.3899, 97.0575



43.6912, 21.3899, 29.5327



11.9868, 21.3899, 1.3897



7.2620, 21.3899, 17.9955

Sweetspot

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



31.8556, 21.3905, 97.0576



69.5502, 67.6526, 104.0003



51.6875, 66.3607, 104.6924



14.1236, 13.5217, 22.1155



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.



31.8556, 21.3905, 97.0576



26.0151, 14.7089, 96.0757



47.7034, 29.5604, 97.7992



17.3019, 17.5318, 22.7220



10.0832, 4.1085, 49.6962



1.0597, 0.4402, 4.8424

Inverse Universe

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



59.9945, 36.3642, 77.2526



56.7834, 31.1234, 72.5405



51.2953, 79.2517, 25.1642



18.6470, 18.2421, 22.0240



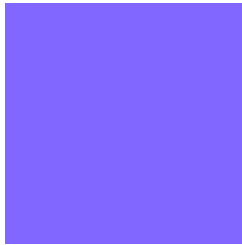
27.6769, 13.5601, 33.2787



2.7292, 1.3341, 3.4216

Previews

White Background



This preview shows how the XYZ color 31.8546, 21.3899, 97.0575 looks on a white background.

Color Contrast Check

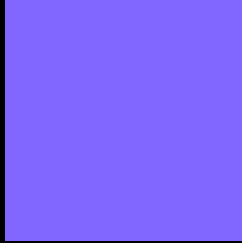
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.8546, 21.3899, 97.0575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

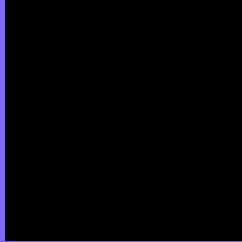
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.8546, 21.3899, 97.0575

Background



This preview shows how black text looks on a background with the XYZ color 31.8546, 21.3899, 97.0575.



This preview shows how white text looks on a background with the XYZ color 31.8546, 21.3899,

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

31.8546, 21.3899, 97.0575

Protanopia

25.7602, 21.7093, 97.4403

Deuteranopia

21.7101, 21.4563, 74.9487



Tritanopia

18.2454, 21.2755, 29.5305

Trichromacy



Original Color

31.8546, 21.3899, 97.0575

Protanomaly

26.5646, 20.7104, 97.2051

Deuteranomaly

23.1748, 20.1517, 82.7890

Tritanomaly

21.7956, 20.5679, 48.1687

Monochromacy



Original Color

31.8546, 21.3899, 97.0575

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

23.1389, 20.8388, 42.8471

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8546, 21.3899, 97.0575 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(129, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(129, 102, 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(129, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 102, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.8546, 21.3899, 97.0575 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(129, 102, 255) }
```


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

```
.border{ border-color:rgb(129, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(129, 102,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8546, 21.3899, 97.0575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 102, 255) }
```

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

```
.background{ background-color: rgb(129,  
102, 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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