

Converting Colors

XYZ(31.7717, 19.0794, 96.6159)

Have a look what the booklet for
XYZ(31.7717, 19.0794, 96.6159)
contains.

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Color

**XYZ(31.7797, 19.1203,
96.6233)**

Conversions

Conversions Part 1

Format	Color
Hex	8A55FF
RGB	138, 85, 255
RGB Percent	54%, 33%, 100%
CMY	0.4588, 0.6667, 0.0000
CMYK	0.46, 0.67, 0.00, 0.00
HSL	259°, 100%, 67%
HSV	259°, 67%, 100%
XYZ	31.7797, 19.1203, 96.6233
YIQ	120.2270, -22.9820, 64.1060

Conversions

Conversions Part 2

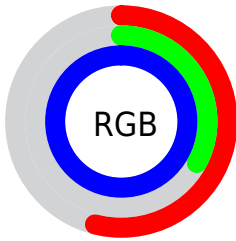
Format	Color
R _Y B	138, 85, 255
Decimal	9065983
CIE Lab	50.83, 58.99, -76.97
CIE LCh	51, 96.975, 307.463
Yxy	19.1203, 0.2154, 0.1296
Android (android.graphics.Color)	4287256063 (0xFF8A55FF)
YUV	120.2270, 66.4431, 15.5869
Hunter-Lab	43.7268, 53.2082, -100.4047

Details

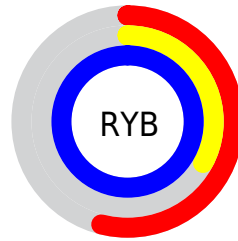
The XYZ color **31.7797, 19.1203, 96.6233** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **61.7558, 84.7319, 21.6945**, and the grayscale version is **17.7254, 18.6485, 20.3082**.

A 20% lighter version of the original color is **50.6917, 37.5391, 99.1818**, and **13.5236, 6.6148, 53.3873** is the 20% darker color. If you saturate the color by 10%, you get **27.4489, 14.4254, 95.9454**, and if you desaturate by 10%, it is **37.3043, 25.5038, 97.5643**.

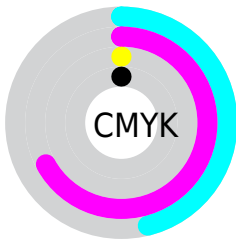
Distribution



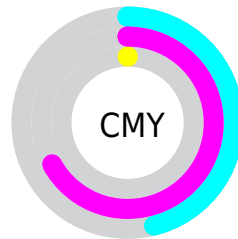
- Red (54%)
- Green (33%)
- Blue (100%)



- Red (54%)
- Yellow (33%)
- Blue (100%)



- Cyan (46%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (67%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7797, 19.1203, 96.6233 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 31.7797, 19.1203, 96.6233 by changing the saturation by 10% instead.

31.7797, 19.1203,
96.6233

31.7797, 19.1203,
96.6233

301.8776,
247.1121, 570.4654

21.3480, 11.7572,
72.8825

61.8331, 41.9373,
158.5202

13.4925, 6.5786,
53.3886

82.1855, 58.1600,
197.5133

7.8479, 3.2000,
37.7232

106.5756, 78.1047,
242.4276

4.0488, 1.2370,
25.4678

135.3686,
102.1558, 293.6815

1.7298, 0.0916,
16.2037

168.9300,
130.6977, 351.6938

0.4748, 0.0000,
9.5125

207.6250,

0.0000, 0.0000,

164.1148, 416.8828

4.9756

251.8191,
202.7914, 489.6672

■ 0.0000, 0.0000,
2.1745

■ 0.0000, 0.0000,
0.6596

■ 31.7797, 19.1203,
96.6233

■ 31.7797, 19.1203,
96.6233

■ 27.4489, 14.4254,
95.9454

■ 37.3043, 25.5038,
97.5643

■ 24.2048, 11.2421,
95.5020

■ 44.1108, 33.7246,
98.7924

■ 21.9211, 9.3526,
95.2576

■ 52.2813, 43.9166,
100.3290

■ 21.3167, 8.9041,
95.2029

■ 61.8899, 56.2003,
102.1935

■ 73.0051, 70.6864,
104.4038

■ 85.6909, 87.4779,
106.9763

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.



20.6632, 19.1203, 128.5343



31.7797, 19.1203, 96.6233



40.9441, 19.1203, 48.1639

Triad

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



31.7797, 19.1203, 96.6233



26.1548, 19.1203, 0.0000



5.3732, 19.1203, 28.4204

Complementary

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



31.7797, 19.1203, 96.6233



61.7558, 84.7319, 21.6945

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.



5.9455, 19.1203, 6.4718



31.7797, 19.1203, 96.6233



15.8919, 19.1203, 0.0000

Square

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



31.7797, 19.1203, 96.6233



36.9819, 19.1203, 2.4204



9.1391, 19.1203, 0.7454



7.1508, 19.1203, 71.9538

Rectangle

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



31.7797, 19.1203, 96.6233



43.3683, 19.1203, 23.2329



9.1391, 19.1203, 0.7454



5.3124, 19.1203, 18.5779

Sweetspot

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



31.7806, 19.1208, 96.6234



69.1282, 65.6060, 103.6275



43.3893, 52.3372, 102.4230



14.1253, 13.1675, 22.0471



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.



31.7806, 19.1208, 96.6234



26.2522, 13.2058, 95.7731



51.1174, 29.0893, 97.5284



17.5358, 17.6524, 22.7330



11.2727, 4.7218, 49.7518



1.2043, 0.5148, 4.8492

Inverse Universe

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



55.1488, 32.0212, 59.1487



51.8713, 27.4066, 52.0744



45.0076, 76.0979, 20.9107



18.5374, 18.1983, 21.4472



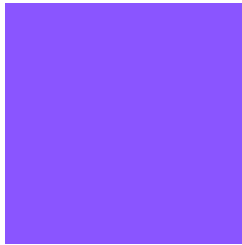
25.6877, 12.7644, 22.8036



2.5504, 1.2625, 2.4797

Previews

White Background



This preview shows how the XYZ color 31.7797, 19.1203, 96.6233 looks on a white background.

Color Contrast Check

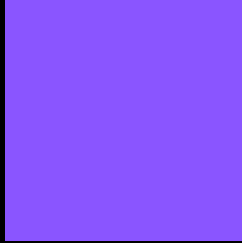
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.7797, 19.1203, 96.6233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

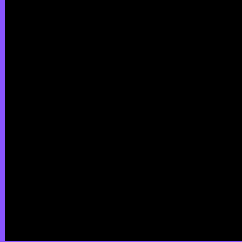
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.7797, 19.1203, 96.6233

Background



This preview shows how black text looks on a background with the XYZ color 31.7797, 19.1203, 96.6233.



This preview shows how white text looks on a background with the XYZ color 31.7797, 19.1203,

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

31.7797, 19.1203, 96.6233

Protanopia

22.8799, 19.1446, 89.6782

Deuteranopia

19.2179, 19.2194, 65.6476



Tritanopia

17.2605, 18.9235, 24.9332

Trichromacy



Original Color

31.7797, 19.1203, 96.6233



Protanomaly

23.4659, 17.6208, 91.7869



Deuteranomaly

20.8949, 17.4314, 75.6621



Tritanomaly

20.8757, 17.9632, 43.9619

Monochromacy



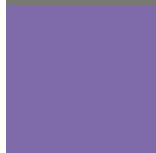
Original Color

31.7797, 19.1203, 96.6233



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

21.1715, 17.8920, 39.8738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7797, 19.1203, 96.6233 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(138, 85, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 85, 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(138, 85, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 85, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.7797, 19.1203, 96.6233 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(138, 85, 255) }
```


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

```
.border{ border-color:rgb(138, 85, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 85, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 85, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 85, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 85,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7797, 19.1203, 96.6233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 85, 255) }
```

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

```
.background{ background-color: rgb(138, 85,  
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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