

Converting Colors

XYZ(44.9439, 33.1642,
115.3687)

Have a look what the booklet for
XYZ(44.9439, 33.1642, 115.3687)
contains.

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Color

**XYZ(41.7474, 31.8876,
98.5623)**

Conversions

Conversions Part 1

Format	Color
Hex	A485FF
RGB	164, 133, 255
RGB Percent	64%, 52%, 100%
CMY	0.3568, 0.4784, 0.0000
CMYK	0.36, 0.48, 0.00, 0.00
HSL	255°, 100%, 76%
HSV	255°, 48%, 100%
XYZ	41.7474, 31.8876, 98.5623
YIQ	156.1770, -20.6860, 44.5140

Conversions

Conversions Part 2

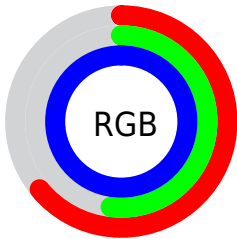
Format	Color
RYB	164, 133, 255
Decimal	10782207
CIELab	63.25, 38.48, -56.83
CIELCh	63, 68.633, 304.100
Yxy	31.8876, 0.2424, 0.1852
Android (android.graphics.Color)	4288972287 (0xFFA485FF)
YUV	156.1770, 48.7197, 6.8608
Hunter-Lab	56.4691, 33.1434, -63.9576

Details

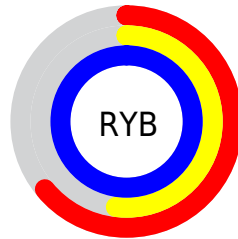
The XYZ color **41.7474, 31.8876, 98.5623** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **70.7338, 89.0606, 35.6536**, and the grayscale version is **31.4760, 33.1152, 36.0625**.

A 20% lighter version of the original color is **65.9445, 58.2902, 102.3832**, and **19.3497, 13.3895, 54.9907** is the 20% darker color. If you saturate the color by 10%, you get **35.0345, 23.8588, 97.3664**, and if you desaturate by 10%, it is **49.8970, 41.9158, 100.0684**.

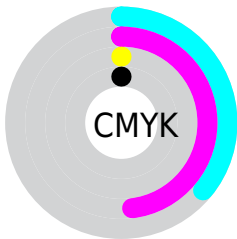
Distribution



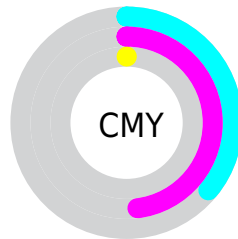
- Red (64%)
- Green (52%)
- Blue (100%)



- Red (64%)
- Yellow (52%)
- Blue (100%)



- Cyan (36%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7474, 31.8876, 98.5623 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 41.7474, 31.8876, 98.5623 by changing the saturation by 10% instead.

41.7474, 31.8876,
98.5623

41.7474, 31.8876,
98.5623

344.4442,
310.6069, 576.7806

29.0938, 21.2757,
74.4902

77.0847, 62.6348,
161.2147

19.2964, 13.3257,
54.6961

100.4992, 83.5389,
200.6320

11.9899, 7.6532,
38.7615

128.2313,
108.6425, 246.0015

6.8090, 3.8738,
26.2679

160.6464,
138.3300, 297.7418

3.3882, 1.6032,
16.7966

198.1099,
172.9858, 356.2713

1.3622, 0.3598,
9.9291

240.9872,

0.2291, 0.0000,

212.9943, 422.0085

5.2470

289.6435,
258.7399, 495.3721

■ 0.0000, 0.0000,
2.3316

■ 0.0000, 0.0000,
0.7489

■ 41.7474, 31.8876,
98.5623

■ 41.7474, 31.8876,
98.5623

■ 35.0345, 23.8588,
97.3664

■ 49.8970, 41.9158,
100.0684

■ 29.6664, 17.6879,
96.4583

■ 59.5601, 54.0648,
101.9041

■ 25.5453, 13.2196,
95.8130

■ 70.8123, 68.4502,
104.0877

■ 22.5574, 10.2711,
95.4014

■ 83.7229, 85.1781,
106.6361

■ 20.5572, 8.6012,
95.1844

95.0500, 100.0000,
108.9000

■ 20.2167, 8.3370,
95.1514

Harmonies

Analogous

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



31.6333, 31.8876, 117.4186



41.7474, 31.8876, 98.5623



49.8911, 31.8876, 62.9542

Triad

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



41.7474, 31.8876, 98.5623



39.0087, 31.8876, 5.7185



15.4942, 31.8876, 38.5971

Complementary

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



41.7474, 31.8876, 98.5623



70.7338, 89.0606, 35.6536

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.



16.6658, 31.8876, 16.5143



41.7474, 31.8876, 98.5623



29.0206, 31.8876, 4.3136

Square

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



41.7474, 31.8876, 98.5623



48.0920, 31.8876, 12.8724



21.1765, 31.8876, 6.9178



17.5580, 31.8876, 73.0888

Rectangle

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



41.7474, 31.8876, 98.5623



52.3537, 31.8876, 40.3805



21.1765, 31.8876, 6.9178



15.5262, 31.8876, 29.6152

Sweetspot

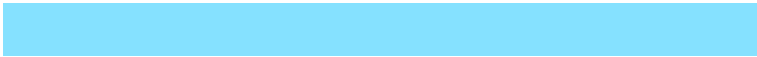
The Sweet Spot groups the original color and five complimentary colors.



41.7486, 31.8887, 98.5625



75.5729, 74.5946, 105.0228



54.5137, 65.7876, 104.4328



15.5970, 15.2186, 22.3654



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.



41.7486, 31.8887, 98.5625



35.5467, 24.4613, 97.4557



57.3338, 39.9232, 99.2919



17.4356, 17.6008, 22.7283



10.6789, 4.4157, 49.7241



1.1354, 0.4793, 4.8459

Inverse Universe

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



63.0822, 43.4175, 75.5755



59.4415, 37.4018, 70.4600



55.2011, 81.0531, 34.9267



18.5839, 18.2169, 21.6918



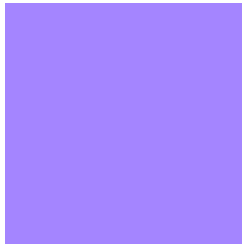
26.4802, 13.0814, 26.9772



2.6224, 1.2913, 2.8589

Previews

White Background



This preview shows how the XYZ color 41.7474, 31.8876, 98.5623 looks on a white background.

Color Contrast Check

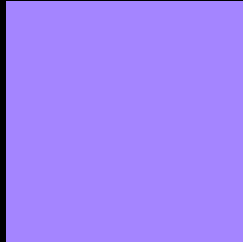
Large Text (above 18pt) WCAG AA × Fail

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 41.7474, 31.8876, 98.5623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

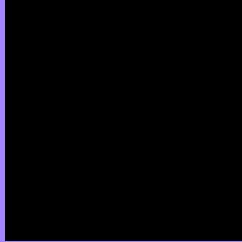
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.7474, 31.8876, 98.5623

Background



This preview shows how black text looks on a background with the XYZ color 41.7474, 31.8876, 98.5623.



This preview shows how white text looks on a background with the XYZ color 41.7474, 31.8876,

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

41.7474, 31.8876, 98.5623

Protanopia

35.2630, 32.2839, 98.9806

Deuteranopia

33.3818, 32.3515, 95.7518



Tritanopia

30.1156, 31.8841, 40.6434

Trichromacy



Original Color

41.7474, 31.8876, 98.5623

Protanomaly

37.0765, 31.8336, 98.7981

Deuteranomaly

35.3208, 31.4376, 96.3019

Tritanomaly

33.4208, 31.3104, 57.7081

Monochromacy



Original Color

41.7474, 31.8876, 98.5623

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

34.4024, 32.3565, 54.3014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7474, 31.8876, 98.5623 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(164, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(164, 133, 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(164, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 133, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.7474, 31.8876, 98.5623 is called "border". The border property can be set on classes, ids or directly on the HTML element.

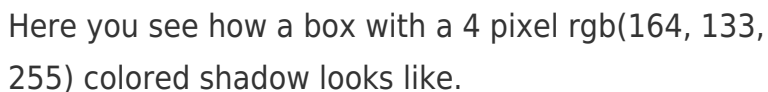
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(164, 133, 255) }
```


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

```
.border{ border-color:rgb(164, 133, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(164, 133, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(164, 133,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7474, 31.8876, 98.5623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 133, 255) }
```

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

```
.background{ background-color: rgb(164,  
133, 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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