

Converting Colors

XYZ(41.8041, 26.5190, 97.5231)

Have a look what the booklet for
XYZ(41.8041, 26.5190, 97.5231)
contains.

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Color

**XYZ(41.8574, 26.5465,
97.5256)**

Conversions

Conversions Part 1

Format	Color
Hex	B566FF
RGB	181, 102, 255
RGB Percent	71%, 40%, 100%
CMY	0.2902, 0.6000, 0.0000
CMYK	0.29, 0.60, 0.00, 0.00
HSL	271°, 100%, 70%
HSV	271°, 60%, 100%
XYZ	41.8574, 26.5465, 97.5256
YIQ	143.0630, -2.0290, 64.3310

Conversions

Conversions Part 2

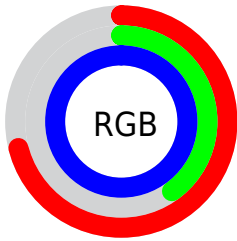
Format	Color
RYB	181, 102, 255
Decimal	11888383
CIELab	58.55, 59.06, -64.25
CIELCh	59, 87.272, 312.590
Yxy	26.5465, 0.2523, 0.1600
Android (android.graphics.Color)	4290078463 (0xFFB566FF)
YUV	143.0630, 55.1849, 33.2707
Hunter-Lab	51.5233, 54.8472, -76.1605

Details

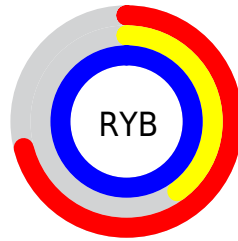
The XYZ color **41.8574, 26.5465, 97.5256** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **56.0628, 81.7094, 25.3878**, and the grayscale version is **25.9220, 27.2719, 29.6991**.

A 20% lighter version of the original color is **65.8736, 49.5222, 100.6946**, and **19.3034, 10.3561, 53.8048** is the 20% darker color. If you saturate the color by 10%, you get **36.9607, 20.8570, 96.6855**, and if you desaturate by 10%, it is **47.7826, 33.9107, 98.6347**.

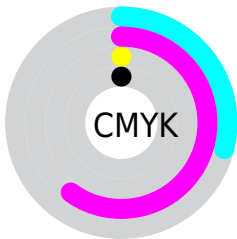
Distribution



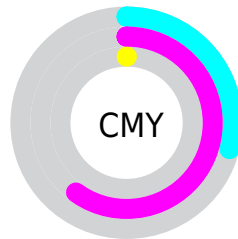
- Red (71%)
- Green (40%)
- Blue (100%)



- Red (71%)
- Yellow (40%)
- Blue (100%)



- Cyan (29%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (29%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8574, 26.5465, 97.5256 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 41.8574, 26.5465, 97.5256 by changing the saturation by 10% instead.


 41.8574, 26.5465,
97.5256

 41.8574, 26.5465,
97.5256

344.8932,
285.4546, 573.4088


 29.1803, 17.2329,
73.6304


 77.2503, 54.1553,
159.7747


 19.3622, 10.4007,
53.9966

 100.6967, 73.2193,
198.9656

 12.0378, 5.6654,
38.2058


 128.4637, 96.3022,
244.0922

 6.8418, 2.6427,
25.8394

 160.9165,
123.7885, 295.5730

 3.4088, 0.9482,
16.4788

198.4205,
156.0624, 353.8265

 1.3735, 0.0000,
9.7056

241.3410,

 0.2372, 0.0000,

193.5085, 419.2713

5.1012

290.0434,
236.5111, 492.3259

■ 0.0000, 0.0000,
2.2470

■ 0.0000, 0.0000,
0.7013

■ 41.8574, 26.5465,
97.5256

■ 41.8574, 26.5465,
97.5256

■ 36.9607, 20.8570,
96.6855

■ 47.7826, 33.9107,
98.6347

■ 33.0096, 16.6895,
96.0893

■ 54.8036, 43.0779,
100.0341

■ 29.9108, 13.8666,
95.7078

■ 62.9848, 54.1670,
101.7434

■ 27.5144, 12.0991,
95.4929

■ 72.3844, 67.2856,
103.7801

■ 27.5142, 12.0990,
95.4929

■ 83.0564, 82.5330,
106.1607

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.



29.9831, 26.5465, 132.8480



41.8574, 26.5465, 97.5256



50.3696, 26.5465, 50.3416

Triad

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



41.8574, 26.5465, 97.5256



31.8960, 26.5465, 1.2622



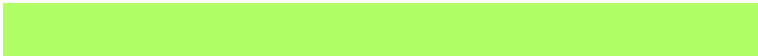
10.0165, 26.5465, 43.7305

Complementary

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



41.8574, 26.5465, 97.5256



56.0628, 81.7094, 25.3878

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.



10.2601, 26.5465, 14.6250



41.8574, 26.5465, 97.5256



21.0108, 26.5465, 1.1099

Square

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



41.8574, 26.5465, 97.5256



43.5941, 26.5465, 4.5646



13.7198, 26.5465, 3.6161



12.9213, 26.5465, 89.8592

Rectangle

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



41.8574, 26.5465, 97.5256



51.8436, 26.5465, 26.3251



13.7198, 26.5465, 3.6161



9.7630, 26.5465, 31.6474

Sweetspot

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



41.8585, 26.5474, 97.5257



74.4142, 70.1601, 104.2279



39.5502, 42.0856, 100.6466



15.2988, 14.1275, 22.1705



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.



41.8585, 26.5474, 97.5257



36.0971, 19.9064, 96.5475



64.0416, 37.9833, 98.5639



17.8977, 17.8390, 22.7499



14.5501, 6.4113, 49.9052



1.5429, 0.6893, 4.8650

Inverse Universe

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



53.8281, 33.8979, 44.7800



49.8812, 28.3625, 36.1939



43.6382, 75.3043, 24.8063



18.3754, 18.1335, 20.5939



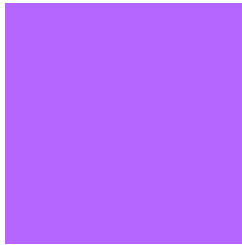
23.5024, 11.8902, 11.2960



2.3433, 1.1797, 1.3890

Previews

White Background



This preview shows how the XYZ color 41.8574, 26.5465, 97.5256 looks on a white background.

Color Contrast Check

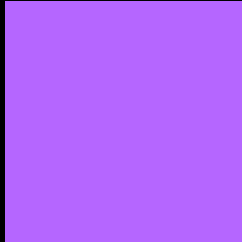
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.8574, 26.5465, 97.5256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

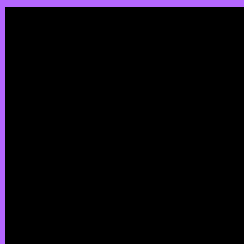
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.8574, 26.5465, 97.5256

Background



This preview shows how black text looks on a background with the XYZ color 41.8574, 26.5465, 97.5256.



This preview shows how white text looks on a background with the XYZ color 41.8574, 26.5465,

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

41.8574, 26.5465, 97.5256

Protanopia

30.4753, 26.9052, 98.1947

Deuteranopia

27.9762, 27.0641, 91.7451



Tritanopia

28.1195, 26.3657, 29.9926

Trichromacy



Original Color

41.8574, 26.5465, 97.5256



Protanomaly

32.7289, 25.4869, 97.8022



Deuteranomaly

30.0115, 24.9371, 93.6741



Tritanomaly

31.7597, 25.7046, 48.6350

Monochromacy



Original Color

41.8574, 26.5465, 97.5256



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

30.2755, 26.0671, 48.7832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8574, 26.5465, 97.5256 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(181, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 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(181, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 102, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.8574, 26.5465, 97.5256 is called "border". The border property can be set on classes, ids or directly on the HTML element.

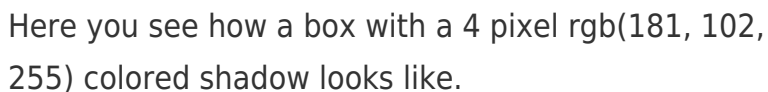
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 102, 255) }
```


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

```
.border{ border-color:rgb(181, 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(181, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 102, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 102, 255); box-shadow:4px 4px 4px 4px rgb(181, 102, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8574, 26.5465, 97.5256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 102, 255) }
```

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

```
.background{ background-color: rgb(181,  
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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