

Converting Colors

XYZ(74.1488, 44.7040,
239.5734)

Have a look what the booklet for
XYZ(74.1488, 44.7040, 239.5734)
contains.

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Color

**XYZ(47.3861, 33.9969,
98.6723)**

Conversions

Conversions Part 1

Format	Color
Hex	BF81FF
RGB	191, 129, 255
RGB Percent	75%, 51%, 100%
CMY	0.2510, 0.4941, 0.0000
CMYK	0.25, 0.49, 0.00, 0.00
HSL	270°, 100%, 75%
HSV	270°, 49%, 100%
XYZ	47.3861, 33.9969, 98.6723
YIQ	161.9020, -3.4940, 52.3300

Conversions

Conversions Part 2

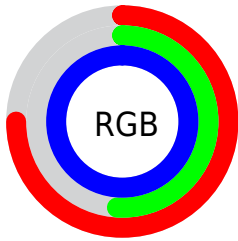
Format	Color
R_{YB}	191, 129, 255
Decimal	12550655
CIE _{Lab}	64.96, 47.50, -53.96
CIE _{LCh}	65, 71.886, 311.360
Yxy	33.9969, 0.2632, 0.1888
Android (android.graphics.Color)	4290740735 (0xFFBF81FF)
YUV	161.9020, 45.8973, 25.5189
Hunter-Lab	58.3069, 43.0303, -59.5213

Details

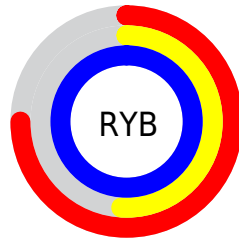
The XYZ color **47.3861, 33.9969, 98.6723** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **61.7151, 84.4426, 33.8164**, and the grayscale version is **34.0913, 35.8667, 39.0588**.

A 20% lighter version of the original color is **74.4078, 61.4110, 102.5395**, and **22.6784, 14.4533, 55.0206** is the 20% darker color. If you saturate the color by 10%, you get **41.3222, 26.4919, 97.5433**, and if you desaturate by 10%, it is **54.5784, 43.3288, 100.0944**.

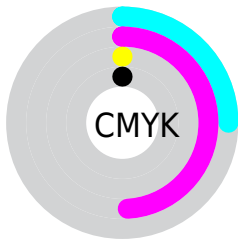
Distribution



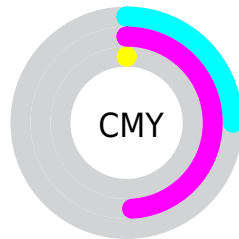
- Red (75%)
- Green (51%)
- Blue (100%)



- Red (75%)
- Yellow (51%)
- Blue (100%)



- Cyan (25%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3861, 33.9969, 98.6723 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 47.3861, 33.9969, 98.6723 by changing the saturation by 10% instead.


 47.3861, 33.9969,
98.6723


 47.3861, 33.9969,
98.6723

366.9768,
320.1182, 577.1378


 33.5502, 22.8912,
74.5815


 85.5049, 65.9288,
161.3674

 22.7095, 14.5132,
54.7704


 110.5185, 87.5239,
200.8087

 14.4987, 8.4785,
38.8206


 139.9888,
113.3842, 246.2039

 8.5523, 4.4026,
26.3134

174.2810,
143.8941, 297.9716

 4.5051, 1.9012,
16.8304

213.7606,
179.4381, 356.5303

 1.9917, 0.5491,
9.9530

258.7928,

 0.6293, 0.0000,

220.4005, 422.2985

5.2626

309.7431,
267.1658, 495.6948

■ 0.0000, 0.0000,
2.3407

■ 0.0000, 0.0000,
0.7539

■ 47.3861, 33.9969,
98.6723

■ 47.3861, 33.9969,
98.6723

■ 41.3222, 26.4919,
97.5433

■ 54.5784, 43.3288,
100.0944

■ 36.3122, 20.6792,
96.6854

■ 62.9597, 54.6014,
101.8285

■ 32.2769, 16.4107,
96.0741

■ 72.5900, 67.9236,
103.8924

■ 29.1220, 13.5097,
95.6805

■ 83.5240, 83.3949,
106.3024

■ 26.7063, 11.7067, 95.0500, 100.0000,
95.4598 108.9000

■ 26.5775, 11.6161,
95.4491

Harmonies

Analogous

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



36.4082, 33.9969, 126.1609



47.3861, 33.9969, 98.6723



55.1684, 33.9969, 58.4698

Triad

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



47.3861, 33.9969, 98.6723



39.1250, 33.9969, 4.9689



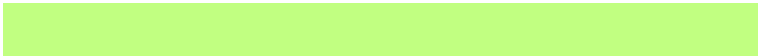
16.4229, 33.9969, 49.4632

Complementary

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



47.3861, 33.9969, 98.6723



61.7151, 84.4426, 33.8164

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.



16.8444, 33.9969, 21.5814



47.3861, 33.9969, 98.6723



28.5371, 33.9969, 4.4923

Square

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



47.3861, 33.9969, 98.6723



49.7382, 33.9969, 10.6276



20.8323, 33.9969, 8.5460



19.5227, 33.9969, 89.1265

Rectangle

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



47.3861, 33.9969, 98.6723



56.6701, 33.9969, 35.6759



20.8323, 33.9969, 8.5460



16.1785, 33.9969, 38.3910

Sweetspot

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



47.3873, 33.9982, 98.6725



77.2485, 74.4766, 104.9117



46.4182, 50.5162, 101.9119



16.0509, 15.2594, 22.3493



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.



47.3873, 33.9982, 98.6725



41.5499, 26.7657, 97.5841



66.3723, 43.7853, 99.5609



17.8542, 17.8166, 22.7479



14.0588, 6.1581, 49.8822



1.4946, 0.6644, 4.8627

Inverse Universe

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



58.7164, 40.8117, 55.2351



54.5830, 34.6066, 47.5015



49.0988, 77.9386, 33.2260



18.3944, 18.1411, 20.6940



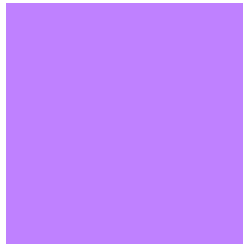
23.7130, 11.9745, 12.4053



2.3640, 1.1880, 1.4985

Previews

White Background



This preview shows how the XYZ color 47.3861, 33.9969, 98.6723 looks on a white background.

Color Contrast Check

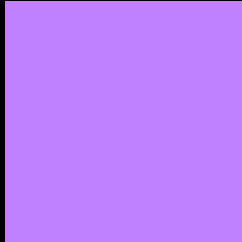
Large Text (above 18pt) WCAG AA × Fail

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 47.3861, 33.9969, 98.6723 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 47.3861, 33.9969, 98.6723

Background



This preview shows how black text looks on a background with the XYZ color 47.3861, 33.9969, 98.6723.



This preview shows how white text looks on a background with the XYZ color 47.3861, 33.9969,

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

47.3861, 33.9969, 98.6723

Protanopia

37.1075, 34.4446, 99.3004

Deuteranopia

35.3891, 34.4191, 94.4009



Tritanopia

35.3567, 33.8915, 39.3286

Trichromacy



Original Color

47.3861, 33.9969, 98.6723



Protanomaly

39.8305, 33.7071, 99.0146



Deuteranomaly

38.3275, 33.2357, 95.6618



Tritanomaly

38.8423, 33.4542, 56.6346

Monochromacy



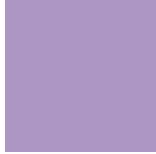
Original Color

47.3861, 33.9969, 98.6723



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

38.1037, 34.6825, 56.9107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3861, 33.9969, 98.6723 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(191, 129, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 129, 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(191, 129, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 129, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.3861, 33.9969, 98.6723 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(191, 129, 255) }
```


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

```
.border{ border-color:rgb(191, 129, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 129, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 129, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 129, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 129,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3861, 33.9969, 98.6723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 129, 255) }
```

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

```
.background{ background-color: rgb(191,  
129, 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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