

Converting Colors

XYZ(47.4070, 42.5294,
100.3181)

Have a look what the booklet for
XYZ(47.4070, 42.5294, 100.3181)
contains.

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Color

**XYZ(47.4121, 42.5994,
100.3314)**

Conversions

Conversions Part 1

Format	Color
Hex	A6A6FF
RGB	166, 166, 255
RGB Percent	65%, 65%, 100%
CMY	0.3490, 0.3490, 0.0000
CMYK	0.35, 0.35, 0.00, 0.00
HSL	240°, 100%, 83%
HSV	240°, 35%, 100%
XYZ	47.4121, 42.5994, 100.3314
YIQ	176.1460, -28.5690, 27.6790

Conversions

Conversions Part 2

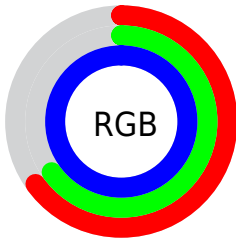
Format	Color
RYB	166, 166, 255
Decimal	10921727
CIELab	71.28, 20.32, -44.13
CIELCh	71, 48.589, 294.726
Yxy	42.5994, 0.2491, 0.2238
Android (android.graphics.Color)	4289111807 (0xFFA6A6FF)
YUV	176.1460, 38.8750, -8.8980
Hunter-Lab	65.2682, 15.4465, -45.4538

Details

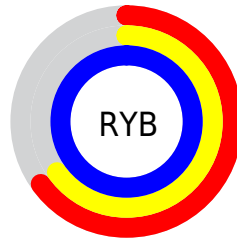
The XYZ color **47.4121, 42.5994, 100.3314** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **83.8829, 95.5331, 50.0965**, and the grayscale version is **41.1585, 43.3019, 47.1558**.

A 20% lighter version of the original color is **74.3379, 74.6209, 105.0930**, and **22.7659, 19.4914, 55.9884** is the 20% darker color. If you saturate the color by 10%, you get **38.4021, 31.7429, 98.7107**, and if you desaturate by 10%, it is **58.4034, 55.8432, 102.3084**.

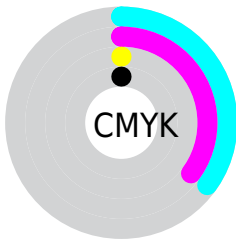
Distribution



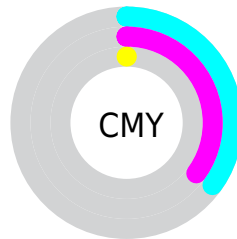
- Red (65%)
- Green (65%)
- Blue (100%)



- Red (65%)
- Yellow (65%)
- Blue (100%)



- Cyan (35%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4121, 42.5994, 100.3314 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 47.4121, 42.5994, 100.3314 by changing the saturation by 10% instead.

47.4121, 42.5994,
100.3314

47.4121, 42.5994,
100.3314

367.0786,
356.9617, 582.5104

33.5709, 29.5709,
75.9589

85.5434, 79.1060,
163.6684

22.7254, 19.5131,
55.8924

110.5643,
103.3529, 203.4699

14.5105, 12.0416,
39.7132

140.0423,
132.1081, 249.2516

8.5606, 6.7720,
27.0029

174.3429,
165.7559, 301.4319

4.5105, 3.3200,
17.3430

213.8315,
204.6808, 360.4294

1.9948, 1.3010,
10.3148

258.8734,

0.6310, 0.1420,

249.2671, 426.6626

5.4998

309.8340,
299.8993, 500.5501

■ 0.0000, 0.0000,
2.4796

■ 0.0000, 0.0000,
0.8293

■ 47.4121, 42.5994,
100.3314

■ 47.4121, 42.5994,
100.3314

■ 38.4021, 31.7429,
98.7107

■ 58.4034, 55.8432,
102.3084

■ 31.2519, 23.1273,
97.4246

■ 71.4799, 71.5995,
104.6604

■ 25.8328, 16.5977,
96.4499

■ 86.7429, 89.9905,
107.4058

■ 21.9982, 11.9773,
95.7602

95.0500, 100.0000,
108.9000

■ 19.5774, 9.0604,
95.3247

■ 18.3600, 7.5935,
95.1058

■ 18.0500, 7.2200,
95.0500

Harmonies

Analogous

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



39.0644, 42.5994, 107.0471



47.4121, 42.5994, 100.3314



54.6947, 42.5994, 77.4678

Triad

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



47.4121, 42.5994, 100.3314



50.2415, 42.5994, 18.5230



26.7910, 42.5994, 42.3749

Complementary

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



47.4121, 42.5994, 100.3314



83.8829, 95.5331, 50.0965

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.



28.9850, 42.5994, 24.9748



47.4121, 42.5994, 100.3314



41.9487, 42.5994, 14.4875

Square

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



47.4121, 42.5994, 100.3314



56.4759, 42.5994, 30.0147



34.2757, 42.5994, 16.3725



27.8462, 42.5994, 67.8282

Rectangle

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



47.4121, 42.5994, 100.3314



57.5868, 42.5994, 59.2547



34.2757, 42.5994, 16.3725



27.1630, 42.5994, 35.5258

Sweetspot

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



47.4135, 42.6009, 100.3316



78.6808, 80.2762, 105.9557



69.5365, 86.8473, 107.7060



16.3873, 16.6358, 22.5973



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.



47.4135, 42.6009, 100.3316



40.8191, 34.6551, 99.1455



58.4081, 48.2689, 100.8461



17.0031, 17.3778, 22.7080



9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Inverse Universe

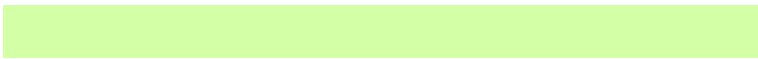
The Inverse Universe completely reimagines the original color for something new.



72.9266, 55.7535, 101.5248



69.8640, 49.6284, 100.5038



69.3646, 88.0487, 49.4170



18.7928, 18.3004, 22.7917



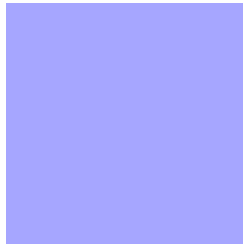
30.9801, 14.8813, 50.6729



3.0164, 1.4489, 4.9339

Previews

White Background



This preview shows how the XYZ color 47.4121, 42.5994, 100.3314 looks on a white background.

Color Contrast Check

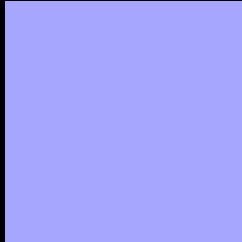
Large Text (above 18pt) WCAG AA × Fail

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 47.4121, 42.5994, 100.3314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

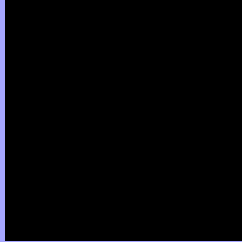
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.4121, 42.5994, 100.3314

Background



This preview shows how black text looks on a background with the XYZ color 47.4121, 42.5994, 100.3314.



This preview shows how white text looks on a background with the XYZ color 47.4121, 42.5994,

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

47.4121, 42.5994, 100.3314

Protanopia

44.8351, 42.9281, 100.5306

Deuteranopia

43.9883, 42.7937, 99.7075



Tritanopia

38.6946, 42.7659, 56.6673

Trichromacy



Original Color

47.4121, 42.5994, 100.3314

Protanomaly

45.7512, 42.8395, 100.4652

Deuteranomaly

45.0266, 42.4845, 99.5931

Tritanomaly

41.4353, 42.3981, 70.9655

Monochromacy



Original Color

47.4121, 42.5994, 100.3314

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

42.7852, 42.6835, 63.7413

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4121, 42.5994, 100.3314 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(166, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 166, 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(166, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 166, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.4121, 42.5994, 100.3314 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(166, 166, 255) }
```


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

```
.border{ border-color:rgb(166, 166, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 166,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4121, 42.5994, 100.3314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 166, 255) }
```

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

```
.background{ background-color: rgb(166,  
166, 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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