

Converting Colors

XYZ(48.2064, 43.2176,
104.2390)

Have a look what the booklet for
XYZ(48.2064, 43.2176, 104.2390)
contains.

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Color

**XYZ(47.3858, 42.8568,
100.3824)**

Conversions

Conversions Part 1

Format	Color
Hex	A5A7FF
RGB	165, 167, 255
RGB Percent	65%, 65%, 100%
CMY	0.3529, 0.3451, 0.0000
CMYK	0.35, 0.35, 0.00, 0.00
HSL	239°, 100%, 82%
HSV	239°, 35%, 100%
XYZ	47.3858, 42.8568, 100.3824
YIQ	176.4340, -29.4400, 26.9440

Conversions

Conversions Part 2

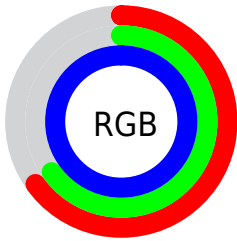
Format	Color
R _Y B	165, 167, 255
Decimal	10856447
CIE Lab	71.46, 19.49, -43.86
CIE LCh	71, 48.001, 293.961
Yxy	42.8568, 0.2486, 0.2248
Android (android.graphics.Color)	4289046527 (0xFFA5A7FF)
YUV	176.4340, 38.7330, -10.0276
Hunter-Lab	65.4651, 14.6402, -45.0881

Details

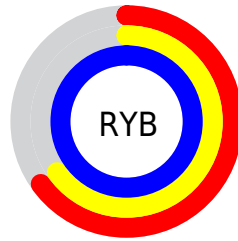
The XYZ color **47.3858, 42.8568, 100.3824** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **83.1575, 94.2279, 49.4042**, and the grayscale version is **41.3096, 43.4609, 47.3290**.

A 20% lighter version of the original color is **74.2955, 74.9921, 105.1669**, and **22.7542, 19.6537, 56.0203** is the 20% darker color. If you saturate the color by 10%, you get **38.4652, 32.1192, 98.7800**, and if you desaturate by 10%, it is **58.2471, 55.9037, 102.3283**.

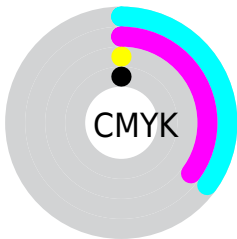
Distribution



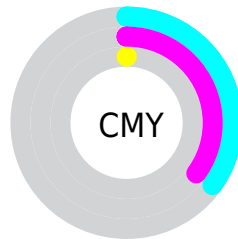
- Red (65%)
- Green (65%)
- Blue (100%)



- 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 47.3858, 42.8568, 100.3824 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 47.3858, 42.8568, 100.3824 by changing the saturation by 10% instead.

47.3858, 42.8568,
100.3824

47.3858, 42.8568,
100.3824

366.9756,
358.0225, 582.6751

33.5500, 29.7728,
76.0013

85.5045, 79.4947,
163.7390

22.7093, 19.6662,
55.9269

110.5180,
103.8174, 203.5516

14.4985, 12.1526,
39.7407

139.9882,
132.6551, 249.3451

8.5522, 6.8477,
27.0242

174.2803,
166.3922, 301.5381

4.5050, 3.3670,
17.3588

213.7597,
205.4131, 360.5490

1.9916, 1.3262,
10.3260

258.7919,

0.6293, 0.1614,

250.1022, 426.7965

5.5072

309.7421,
300.8439, 500.6990

■ 0.0000, 0.0000,
2.4839

■ 0.0000, 0.0000,
0.8316

■ 47.3858, 42.8568,
100.3824

■ 47.3858, 42.8568,
100.3824

■ 38.4652, 32.1192,
98.7800

■ 58.2471, 55.9037,
102.3283

■ 31.3671, 23.5520,
97.5005

■ 71.1496, 71.3784,
104.6352

■ 25.9671, 17.0088,
96.5222

■ 86.1918, 89.3972,
107.3203

■ 22.1233, 12.3232,
95.8203

95.0500, 100.0000,
108.9000

■ 19.6711, 9.3025,
95.3665

■ 18.4084, 7.7117,
95.1260

■ 18.1115, 7.3430,
95.0705

Harmonies

Analogous

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



39.1189, 42.8568, 106.4898



47.3858, 42.8568, 100.3824



54.6565, 42.8568, 78.0993

Triad

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



47.3858, 42.8568, 100.3824



50.5918, 42.8568, 19.1086



27.1368, 42.8568, 42.1306

Complementary

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



47.3858, 42.8568, 100.3824



83.1575, 94.2279, 49.4042

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.



29.4028, 42.8568, 25.0490



47.3858, 42.8568, 100.3824



42.3932, 42.8568, 14.8960

Square

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



47.3858, 42.8568, 100.3824



56.6723, 42.8568, 30.8047



34.7360, 42.8568, 16.6380



28.1050, 42.8568, 67.2022

Rectangle

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



47.3858, 42.8568, 100.3824



57.5936, 42.8568, 60.0912



34.7360, 42.8568, 16.6380



27.5349, 42.8568, 35.4023

Sweetspot

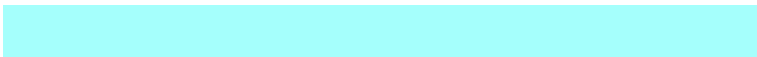
The Sweet Spot groups the original color and five complimentary colors.



47.3872, 42.8584, 100.3827



77.3389, 78.7949, 105.7405



68.8486, 86.5481, 105.1723



16.1260, 16.3530, 22.5565



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.



47.3872, 42.8584, 100.3827



41.1956, 35.4084, 99.2710



57.2386, 47.3975, 100.7396



17.0354, 17.4423, 22.7188



9.4776, 3.8648, 49.6810



0.9337, 0.3981, 4.8409

Inverse Universe

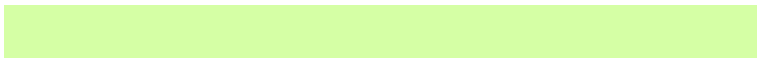
The Inverse Universe completely reimagines the original color for something new.



61.6712, 50.9619, 43.1469



57.3417, 44.6195, 34.5623



69.9930, 88.3832, 48.9699



18.0257, 17.9936, 18.7527



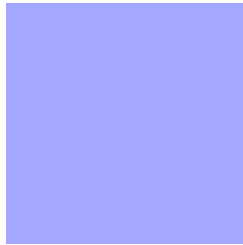
21.5721, 11.1181, 1.1310



2.1059, 1.0847, 0.1390

Previews

White Background



This preview shows how the XYZ color 47.3858, 42.8568, 100.3824 looks on a white background.

Color Contrast Check

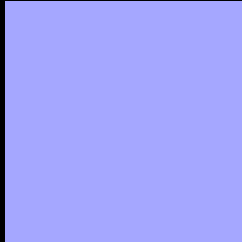
Large Text (above 18pt) WCAG AA × Fail

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 47.3858, 42.8568, 100.3824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

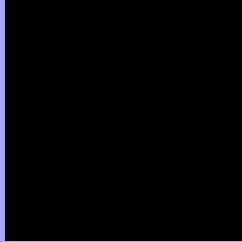
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.3858, 42.8568, 100.3824

Background



This preview shows how black text looks on a background with the XYZ color 47.3858, 42.8568, 100.3824.



This preview shows how white text looks on a background with the XYZ color 47.3858, 42.8568,

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

47.3858, 42.8568, 100.3824

Protanopia

44.8351, 42.9281, 100.5306

Deuteranopia

44.1607, 42.8825, 99.7156



Tritanopia

38.6202, 42.7146, 57.2482

Trichromacy



Original Color

47.3858, 42.8568, 100.3824

Protanomaly

45.7512, 42.8395, 100.4652

Deuteranomaly

45.2148, 42.8609, 99.6558

Tritanomaly

41.4349, 42.6857, 71.0211

Monochromacy



Original Color

47.3858, 42.8568, 100.3824

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

42.9763, 43.0656, 63.8050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3858, 42.8568, 100.3824 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(165, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 167, 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(165, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 167, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.3858, 42.8568, 100.3824 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(165, 167, 255) }
```


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

```
.border{ border-color:rgb(165, 167, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 167, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 167,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3858, 42.8568, 100.3824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 167, 255) }
```

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

```
.background{ background-color: rgb(165,  
167, 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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