

Converting Colors

XYZ(46.9628, 42.1729, 90.8554)

Have a look what the booklet for
XYZ(46.9628, 42.1729, 90.8554)
contains.

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Color

**XYZ(47.2398, 42.4406,
91.2900)**

Conversions

Conversions Part 1

Format	Color
Hex	AEA5F4
RGB	174, 165, 244
RGB Percent	68%, 65%, 96%
CMY	0.3176, 0.3529, 0.0431
CMYK	0.29, 0.32, 0.00, 0.04
HSL	247°, 78%, 80%
HSV	247°, 32%, 96%
XYZ	47.2398, 42.4406, 91.2900
YIQ	176.6970, -19.9950, 26.4770

Conversions

Conversions Part 2

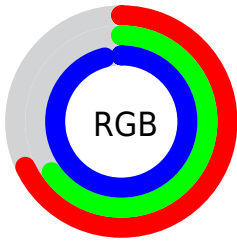
Format	Color
R_{YB}	174, 165, 244
Decimal	11445748
CIE _{Lab}	71.17, 20.31, -38.29
CIE _{LCh}	71, 43.344, 297.943
Yxy	42.4406, 0.2610, 0.2345
Android (android.graphics.Color)	4289635828 (0xFFAEA5F4)
YUV	176.6970, 33.1804, -2.3653
Hunter-Lab	65.1465, 15.4298, -37.4808

Details

The XYZ color **47.2398, 42.4406, 91.2900** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **73.4042, 85.0811, 48.1524**, and the grayscale version is **41.4715, 43.6312, 47.5144**.

A 20% lighter version of the original color is **76.5982, 75.3953, 105.1233**, and **22.6205, 19.3912, 49.5644** is the 20% darker color. If you saturate the color by 10%, you get **38.8164, 32.1771, 89.7536**, and if you desaturate by 10%, it is **57.2809, 54.7861, 93.1444**.

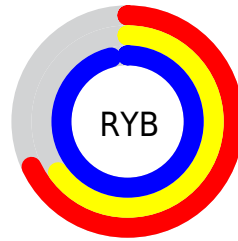
Distribution



Red (68%)

Green (65%)

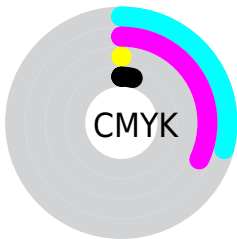
Blue (96%)



Red (68%)

Yellow (65%)

Blue (96%)

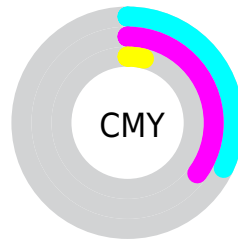


Cyan (29%)

Magenta (32%)

Yellow (0%)

Black (4%)



Cyan (32%)

Magenta (35%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2398, 42.4406, 91.2900 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 47.2398, 42.4406, 91.2900 by changing the saturation by 10% instead.

47.2398, 42.4406,
91.2900

47.2398, 42.4406,
91.2900

366.4038,
356.3062, 552.8963

33.4340, 29.4464,
68.4713

85.2880, 78.8660,
151.0801

22.6200, 19.4188,
49.8122

110.2612,
103.0661, 188.8886

14.4323, 11.9733,
34.8941

139.6875,
131.7702, 232.5308

8.5056, 6.7255,
23.2984

173.9323,
165.3629, 282.4253

4.4747, 3.2910,
14.6066

213.3610,
204.2284, 338.9905

1.9740, 1.2855,
8.4002

258.3389,

0.6193, 0.1299,

248.7512, 402.6451

4.2607

309.2314,
299.3156, 473.8075

■ 0.0000, 0.0000,
1.7694

■ 0.0000, 0.0000,
0.4077

■ 47.2398, 42.4406,
91.2900

■ 47.2398, 42.4406,
91.2900

■ 38.8164, 32.1771,
89.7536

■ 57.2809, 54.7861,
93.1444

■ 31.9214, 23.8757,
88.5147

■ 69.0140, 69.3146,
95.3303

■ 26.4635, 17.4122,
87.5548

■ 82.5139, 86.1266,
97.8638

■ 22.3398, 12.6456,
86.8521

■ 93.3293, 99.3117,
99.8388

■ 19.4334, 9.4145,
86.3816

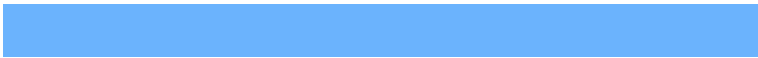
■ 17.6063, 7.5258,
86.1134

■ 16.8026, 6.7757,
86.0109

Harmonies

Analogous

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



39.8396, 42.4406, 98.7840



47.2398, 42.4406, 91.2900



53.3638, 42.4406, 70.8433

Triad

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



47.2398, 42.4406, 91.2900



48.2105, 42.4406, 19.9343



27.9345, 42.4406, 44.7905

Complementary

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



47.2398, 42.4406, 91.2900



73.4042, 85.0811, 48.1524

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.



29.6265, 42.4406, 28.0736



47.2398, 42.4406, 91.2900



40.8416, 42.4406, 16.6657

Square

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



47.2398, 42.4406, 91.2900



53.9698, 42.4406, 29.8943



34.1444, 42.4406, 19.1263



29.2206, 42.4406, 67.5901

Rectangle

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



47.2398, 42.4406, 91.2900



55.5879, 42.4406, 55.0746



34.1444, 42.4406, 19.1263



28.1691, 42.4406, 38.3527

Sweetspot

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



47.2413, 42.4423, 91.2910



79.6182, 80.7594, 105.9995



61.8716, 74.5806, 96.7232



16.6117, 16.7515, 22.6078



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.



47.2413, 42.4423, 91.2910



45.7740, 39.0486, 99.7323



57.0524, 47.5001, 91.7501



15.7564, 16.0171, 20.8037



9.1925, 3.7133, 46.7703



0.8640, 0.3553, 4.1133

Inverse Universe

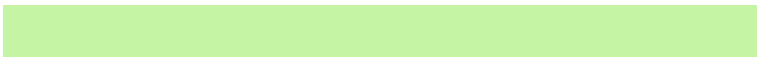
The Inverse Universe completely reimagines the original color for something new.



65.7599, 52.1430, 85.1970



69.3322, 51.3978, 91.5924



62.0648, 79.2354, 47.6218



17.1275, 16.7339, 20.4182



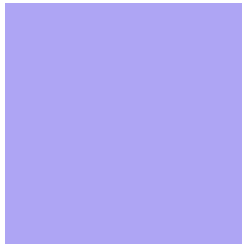
27.0725, 13.1725, 36.6860



2.4021, 1.1668, 3.3437

Previews

White Background



This preview shows how the XYZ color 47.2398, 42.4406, 91.2900 looks on a white background.

Color Contrast Check

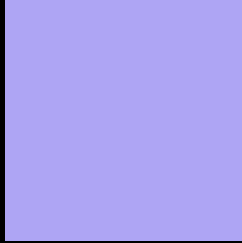
Large Text (above 18pt) WCAG AA × Fail

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 47.2398, 42.4406, 91.2900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

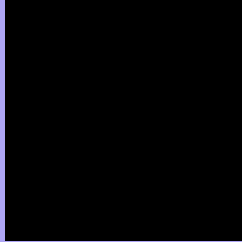
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.2398, 42.4406, 91.2900

Background



This preview shows how black text looks on a background with the XYZ color 47.2398, 42.4406, 91.2900.



This preview shows how white text looks on a background with the XYZ color 47.2398, 42.4406,

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

47.2398, 42.4406, 91.2900

Protanopia

44.2458, 42.7342, 95.5390

Deuteranopia

43.6927, 42.5554, 90.7052



Tritanopia

39.9239, 42.5549, 54.8249

Trichromacy



Original Color

47.2398, 42.4406, 91.2900

Protanomaly

45.0770, 42.3604, 93.7963

Deuteranomaly

44.6637, 42.2179, 90.5889

Tritanomaly

42.3217, 42.3737, 66.9211

Monochromacy



Original Color

47.2398, 42.4406, 91.2900

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.3907, 43.3343, 61.3358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2398, 42.4406, 91.2900 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(174, 165, 244)` looks like.

```
.text, #text, p{  
    color:rgb(174, 165, 244)  
}
```

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(174, 165, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 165, 244) }
```

Border

The CSS property to change the border of an element to XYZ 47.2398, 42.4406, 91.2900 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(174, 165, 244) }
```


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

```
.border{ border-color:rgb(174, 165, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 165, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 165, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 165, 244);  
box-shadow:4px 4px 4px 4px rgb(174, 165,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2398, 42.4406, 91.2900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 165, 244) }
```

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

```
.background{ background-color: rgb(174,  
165, 244) }
```

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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