

Converting Colors

XYZ(48.6678, 41.7955,
100.1100)

Have a look what the booklet for
XYZ(48.6678, 41.7955, 100.1100)
contains.

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Color

**XYZ(48.6994, 41.9398,
100.1362)**

Conversions

Conversions Part 1

Format	Color
Hex	B0A1FF
RGB	176, 161, 255
RGB Percent	69%, 63%, 100%
CMY	0.3098, 0.3686, 0.0000
CMYK	0.31, 0.37, 0.00, 0.00
HSL	250°, 100%, 82%
HSV	250°, 37%, 100%
XYZ	48.6994, 41.9398, 100.1362
YIQ	176.2010, -21.2340, 32.4140

Conversions

Conversions Part 2

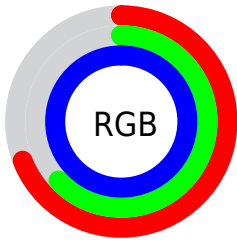
Format	Color
R_{YB}	176, 161, 255
Decimal	11575807
CIE _{Lab}	70.83, 25.83, -44.79
CIE _{LCh}	71, 51.704, 299.975
Yxy	41.9398, 0.2553, 0.2198
Android (android.graphics.Color)	4289765887 (0xFFB0A1FF)
YUV	176.2010, 38.8479, -0.1763
Hunter-Lab	64.7609, 20.8981, -46.3441

Details

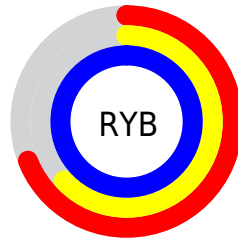
The XYZ color **48.6994, 41.9398, 100.1362** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **78.1282, 92.6184, 47.4790**, and the grayscale version is **41.1845, 43.3293, 47.1856**.

A 20% lighter version of the original color is **76.2101, 73.6554, 104.8079**, and **23.5468, 19.0794, 55.8677** is the 20% darker color. If you saturate the color by 10%, you get **40.2202, 31.6151, 98.5902**, and if you desaturate by 10%, it is **58.8549, 54.4792, 102.0213**.

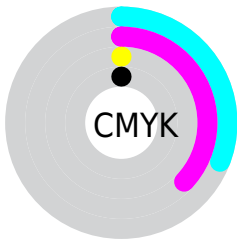
Distribution



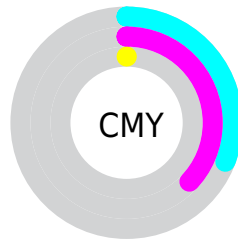
- Red (69%)
- Green (63%)
- Blue (100%)



- Red (69%)
- Yellow (63%)
- Blue (100%)



- Cyan (31%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6994, 41.9398, 100.1362 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 48.6994, 41.9398, 100.1362 by changing the saturation by 10% instead.

■ 48.6994, 41.9398,
100.1362

■ 48.6994, 41.9398,
100.1362

372.0943,
354.2333, 581.8797

■ 34.5946, 29.0542,
75.7968

■ 87.4482, 78.1085,
163.3978

■ 23.5158, 19.1218,
55.7602

■ 112.8230,
102.1604, 203.1571

■ 15.0976, 11.7583,
39.6080

142.6852,
130.7031, 248.8935

■ 8.9747, 6.5793,
26.9216

177.4001,
164.1210, 301.0254

■ 4.7817, 3.2004,
17.2824

217.3331,
202.7986, 359.9714

■ 2.1532, 1.2373,
10.2720

262.8496,

■ 0.7179, 0.0918,

247.1203, 426.1501

5.4717

314.3149,
297.4704, 499.9800

■ 0.0000, 0.0000,
2.4631

■ 0.0000, 0.0000,
0.8205

■ 48.6994, 41.9398,
100.1362

■ 48.6994, 41.9398,
100.1362

■ 40.2202, 31.6151,
98.5902

■ 58.8549, 54.4792,
102.0213

■ 33.3217, 23.3707,
97.3625

■ 70.7670, 69.3476,
104.2633

■ 27.9051, 17.0649,
96.4308

■ 84.5156, 86.6571,
106.8798

■ 23.8581, 12.5361,
95.7700

95.0500, 100.0000,
108.9000

■ 21.0516, 9.5956,
95.3503

■ 19.3287, 8.0081,
95.1347

■ 18.9523, 7.6852,
95.0922

Harmonies

Analogous

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



39.8552, 41.9398, 111.2020



48.6994, 41.9398, 100.1362



55.9454, 41.9398, 73.6679

Triad

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



48.6994, 41.9398, 100.1362



48.7139, 41.9398, 15.7288



25.5189, 41.9398, 45.6443

Complementary

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



48.6994, 41.9398, 100.1362



78.1282, 92.6184, 47.4790

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.



27.2014, 41.9398, 25.8458



48.6994, 41.9398, 100.1362



39.8699, 41.9398, 12.8107

Square

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



48.6994, 41.9398, 100.1362



55.9546, 41.9398, 25.8707



32.1651, 41.9398, 15.7185



27.1957, 41.9398, 73.6179

Rectangle

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



48.6994, 41.9398, 100.1362



58.4446, 41.9398, 54.4072



32.1651, 41.9398, 15.7185



25.7068, 41.9398, 37.9139

Sweetspot

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



48.7008, 41.9413, 100.1364



78.5982, 79.1908, 105.7505



64.1744, 77.6491, 106.2132



16.4233, 16.4465, 22.5588



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.



48.7008, 41.9413, 100.1364



42.4812, 34.3515, 98.9992



60.9506, 48.2563, 100.7097



17.2729, 17.5169, 22.7207



9.9823, 4.0565, 49.6914



1.0457, 0.4330, 4.8417

Inverse Universe

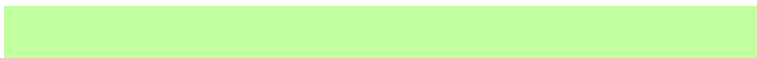
The Inverse Universe completely reimagines the original color for something new.



69.7134, 53.0420, 89.0012



66.3323, 46.9649, 85.7619



64.4163, 85.5497, 46.8372



18.6608, 18.2476, 22.0968



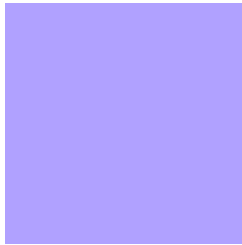
27.9579, 13.6725, 34.7584



2.7541, 1.3440, 3.5523

Previews

White Background



This preview shows how the XYZ color 48.6994, 41.9398, 100.1362 looks on a white background.

Color Contrast Check

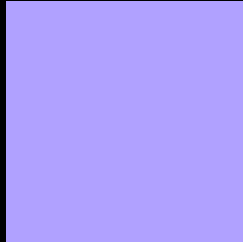
Large Text (above 18pt) WCAG AA × Fail

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 48.6994, 41.9398, 100.1362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

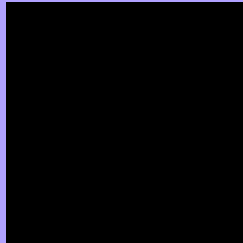
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.6994, 41.9398, 100.1362

Background



This preview shows how black text looks on a background with the XYZ color 48.6994, 41.9398, 100.1362.



This preview shows how white text looks on a background with the XYZ color 48.6994, 41.9398,

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

48.6994, 41.9398, 100.1362

Protanopia

44.1018, 41.9892, 100.3881

Deuteranopia

43.2974, 42.1723, 98.7866



Tritanopia

39.4156, 42.0154, 54.1765

Trichromacy



Original Color

48.6994, 41.9398, 100.1362

Protanomaly

45.5790, 41.9254, 100.2979

Deuteranomaly

45.0289, 41.9333, 99.4866

Tritanomaly

42.3213, 41.7690, 68.7824

Monochromacy



Original Color

48.6994, 41.9398, 100.1362

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

43.4869, 42.7637, 63.7198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6994, 41.9398, 100.1362 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(176, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 161, 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(176, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 161, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.6994, 41.9398, 100.1362 is called "border". The border property can be set on classes, ids or directly on the HTML element.

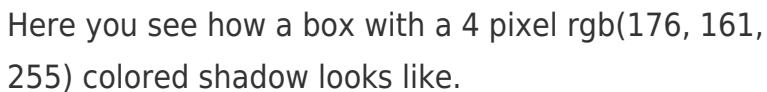
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 161, 255) }
```


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

```
.border{ border-color:rgb(176, 161, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 161, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 161, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 161, 255); box-shadow:4px 4px 4px 4px rgb(176, 161, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6994, 41.9398, 100.1362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 161, 255) }
```

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

```
.background{ background-color: rgb(176,  
161, 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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