

Converting Colors

XYZ(49.8092, 41.9983,
100.0890)

Have a look what the booklet for
XYZ(49.8092, 41.9983, 100.0890)
contains.

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Color

**XYZ(49.7395, 41.9614,
100.0855)**

Conversions

Conversions Part 1

Format	Color
Hex	B69FFF
RGB	182, 159, 255
RGB Percent	71%, 62%, 100%
CMY	0.2863, 0.3765, 0.0000
CMYK	0.29, 0.38, 0.00, 0.00
HSL	254°, 100%, 81%
HSV	254°, 38%, 100%
XYZ	49.7395, 41.9614, 100.0855
YIQ	176.8210, -17.1080, 34.7320

Conversions

Conversions Part 2

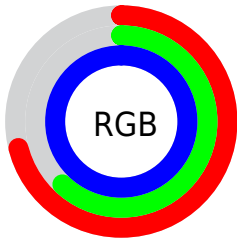
Format	Color
R_{YB}	182, 159, 255
Decimal	11968511
CIE _{Lab}	70.84, 28.60, -44.73
CIE _{LCh}	71, 53.090, 302.591
Yxy	41.9614, 0.2593, 0.2188
Android (android.graphics.Color)	4290158591 (0xFFB69FFF)
YUV	176.8210, 38.5422, 4.5420
Hunter-Lab	64.7776, 23.7004, -46.2624

Details

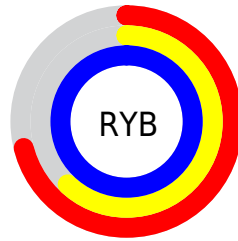
The XYZ color **49.7395, 41.9614, 100.0855** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **75.2972, 91.1792, 46.4333**, and the grayscale version is **41.5080, 43.6697, 47.5563**.

A 20% lighter version of the original color is **78.0317, 73.8384, 104.7473**, and **24.2031, 19.1046, 55.8380** is the 20% darker color. If you saturate the color by 10%, you get **41.5317, 31.8790, 98.5720**, and if you desaturate by 10%, it is **59.4886, 54.1827, 101.9307**.

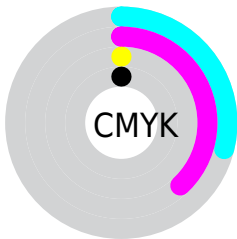
Distribution



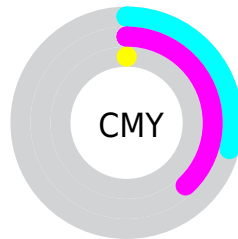
- Red (71%)
- Green (62%)
- Blue (100%)



- Red (71%)
- Yellow (62%)
- Blue (100%)



- Cyan (29%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7395, 41.9614, 100.0855 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 49.7395, 41.9614, 100.0855 by changing the saturation by 10% instead.

■ 49.7395, 41.9614,
100.0855

■ 49.7395, 41.9614,
100.0855

376.1152,
354.3229, 581.7158

■ 35.4234, 29.0711,
75.7547

■ 88.9829, 78.1412,
163.3276

■ 24.1573, 19.1346,
55.7259

■ 114.6410,
102.1995, 203.0759

■ 15.5757, 11.7676,
39.5807

144.8104,
130.7492, 248.8005

■ 9.3133, 6.5856,
26.9005

179.8565,
164.1747, 300.9198

■ 5.0049, 3.2043,
17.2667

220.1447,
202.8604, 359.8525

■ 2.2849, 1.2393,
10.2609

266.0403,

■ 0.7869, 0.0935,

247.1908, 426.0170

5.4644

317.9087,
297.5501, 499.8319

■ 0.0000, 0.0000,
2.4588

■ 0.0000, 0.0000,
0.8182

■ 49.7395, 41.9614,
100.0855

■ 49.7395, 41.9614,
100.0855

■ 41.5317, 31.8790,
98.5720

■ 59.4886, 54.1827,
101.9307

■ 34.7791, 23.8054,
97.3696

■ 70.8506, 68.6533,
104.1249

■ 29.3932, 17.6034,
96.4563

■ 83.8972, 85.4813,
106.6854

■ 25.2735, 13.1161,
95.8073

■ 95.0500, 100.0000,
108.9000

■ 22.3041, 10.1601,
95.3933

■ 20.3391, 8.4968,
95.1758

■ 19.9803, 8.2151,
95.1403

Harmonies

Analogous

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



40.6551, 41.9614, 113.4649



49.7395, 41.9614, 100.0855



56.9238, 41.9614, 71.9110

Triad

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



49.7395, 41.9614, 100.0855



48.2158, 41.9614, 14.7005



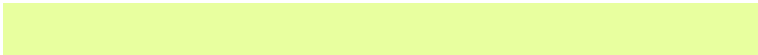
25.2194, 41.9614, 47.9213

Complementary

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



49.7395, 41.9614, 100.0855



75.2972, 91.1792, 46.4333

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.



26.6357, 41.9614, 26.7697



49.7395, 41.9614, 100.0855



39.1208, 41.9614, 12.3054

Square

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



49.7395, 41.9614, 100.0855



55.9569, 41.9614, 24.1926



31.4231, 41.9614, 15.7564



27.2261, 41.9614, 77.1840

Rectangle

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



49.7395, 41.9614, 100.0855



59.1884, 41.9614, 52.2465



31.4231, 41.9614, 15.7564



25.3111, 41.9614, 39.7042

Sweetspot

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



49.7409, 41.9630, 100.0858



79.3290, 79.5675, 105.7847



61.3748, 72.6434, 105.3945



16.5963, 16.5357, 22.5669



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.



49.7409, 41.9630, 100.0858



43.5583, 34.3459, 98.9414



62.8900, 48.7416, 100.7011



17.4104, 17.5878, 22.7271



10.5502, 4.3493, 49.7180



1.1198, 0.4712, 4.8452

Inverse Universe

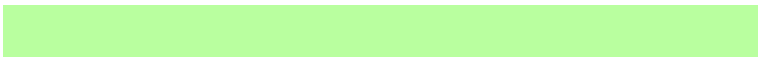
The Inverse Universe completely reimagines the original color for something new.



68.2043, 51.8837, 82.7641



64.5899, 45.6634, 78.4505



61.9302, 84.2883, 45.8077



18.5956, 18.2216, 21.7538



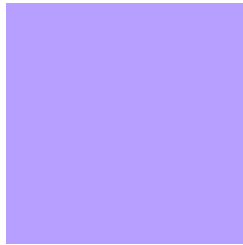
26.6928, 13.1664, 28.0964



2.6415, 1.2990, 2.9596

Previews

White Background



This preview shows how the XYZ color 49.7395, 41.9614, 100.0855 looks on a white background.

Color Contrast Check

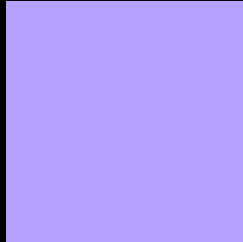
Large Text (above 18pt) WCAG AA × Fail

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 49.7395, 41.9614, 100.0855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

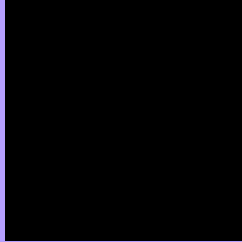
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7395, 41.9614, 100.0855

Background



This preview shows how black text looks on a background with the XYZ color 49.7395, 41.9614, 100.0855.



This preview shows how white text looks on a background with the XYZ color 49.7395, 41.9614,

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

49.7395, 41.9614, 100.0855

Protanopia

44.2900, 42.3656, 100.4508

Deuteranopia

43.3077, 42.1960, 97.9575



Tritanopia

40.2754, 41.9100, 52.9804

Trichromacy



Original Color

49.7395, 41.9614, 100.0855

Protanomaly

45.9693, 42.1265, 100.3161

Deuteranomaly

45.2586, 41.7972, 98.6108

Tritanomaly

43.3419, 41.7574, 68.0630

Monochromacy



Original Color

49.7395, 41.9614, 100.0855

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.9846, 42.7409, 63.6892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7395, 41.9614, 100.0855 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(182, 159, 255)` looks like.

```
.text, #text, p{  
    color:rgb(182, 159, 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(182, 159, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 159, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.7395, 41.9614, 100.0855 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(182, 159, 255) }
```


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

```
.border{ border-color:rgb(182, 159, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 159, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 159, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 159, 255);  
box-shadow:4px 4px 4px 4px rgb(182, 159,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7395, 41.9614, 100.0855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 159, 255) }
```

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

```
.background{ background-color: rgb(182,  
159, 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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