

Converting Colors

XYZ(49.2798, 41.8196,
100.1405)

Have a look what the booklet for
XYZ(49.2798, 41.8196, 100.1405)
contains.

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Color

**XYZ(49.2705, 41.7196,
100.0636)**

Conversions

Conversions Part 1

Format	Color
Hex	B49FFF
RGB	180, 159, 255
RGB Percent	71%, 62%, 100%
CMY	0.2941, 0.3765, 0.0000
CMYK	0.29, 0.38, 0.00, 0.00
HSL	253°, 100%, 81%
HSV	253°, 38%, 100%
XYZ	49.2705, 41.7196, 100.0636
YIQ	176.2230, -18.3000, 34.3080

Conversions

Conversions Part 2

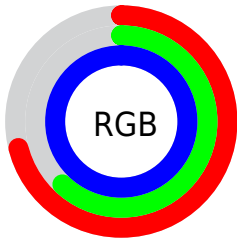
Format	Color
RYB	180, 159, 255
Decimal	11837439
CIELab	70.68, 28.05, -45.00
CIElCh	71, 53.028, 301.931
Yxy	41.7196, 0.2579, 0.2184
Android (android.graphics.Color)	4290027519 (0xFFB49FFF)
YUV	176.2230, 38.8371, 3.3124
Hunter-Lab	64.5907, 23.1280, -46.6383

Details

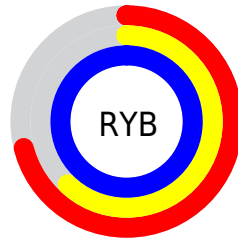
The XYZ color **49.2705, 41.7196, 100.0636** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **75.9501, 91.5158, 46.4638**, and the grayscale version is **41.1949, 43.3403, 47.1976**.

A 20% lighter version of the original color is **77.3565, 73.4903, 104.7157**, and **23.9082, 18.9526, 55.8242** is the 20% darker color. If you saturate the color by 10%, you get **41.0201, 31.6152, 98.5481**, and if you desaturate by 10%, it is **59.0946, 53.9796, 101.9122**.

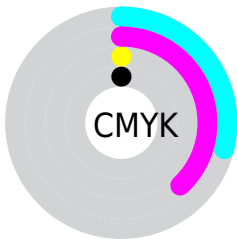
Distribution



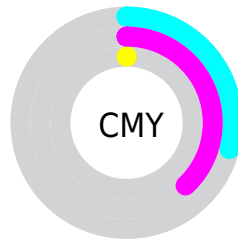
- Red (71%)
- Green (62%)
- Blue (100%)



- 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 49.2705, 41.7196, 100.0636 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 49.2705, 41.7196, 100.0636 by changing the saturation by 10% instead.

■ 49.2705, 41.7196,
100.0636

■ 49.2705, 41.7196,
100.0636

374.3056,
353.3193, 581.6450

■ 35.0495, 28.8818,
75.7365

■ 88.2914, 77.7751,
163.2972

■ 23.8677, 18.9914,
55.7111

■ 113.8220,
101.7615, 203.0408

■ 15.3597, 11.6641,
39.5689

143.8532,
130.2330, 248.7603

■ 9.1602, 6.5154,
26.8913

178.7504,
163.5739, 300.8742

■ 4.9038, 3.1609,
17.2599

218.8788,
202.1685, 359.8011

■ 2.2251, 1.2163,
10.2561

264.6039,

■ 0.7559, 0.0750,

246.4014, 425.9595

5.4612

316.2911,
296.6568, 499.7679

■ 0.0000, 0.0000,
2.4569

■ 0.0000, 0.0000,
0.8172

■ 49.2705, 41.7196,
100.0636

■ 49.2705, 41.7196,
100.0636

■ 41.0201, 31.6152,
98.5481

■ 59.0946, 53.9796,
101.9122

■ 34.2551, 23.5352,
97.3450

■ 70.5663, 68.5066,
104.1116

■ 28.8842, 17.3409,
96.4325

■ 83.7593, 85.4101,
106.6790

■ 24.8039, 12.8740,
95.7854

95.0500, 100.0000,
108.9000

■ 21.8949, 9.9492,
95.3741

■ 20.0073, 8.3258,
95.1603

■ 19.6688, 8.0545,
95.1258

Harmonies

Analogous

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



40.2249, 41.7196, 112.9187



49.2705, 41.7196, 100.0636



56.4955, 41.7196, 72.1890

Triad

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



49.2705, 41.7196, 100.0636



48.1404, 41.7196, 14.7225



25.0589, 41.7196, 47.0745

Complementary

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



49.2705, 41.7196, 100.0636



75.9501, 91.5158, 46.4638

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.



26.5427, 41.7196, 26.2599



49.2705, 41.7196, 100.0636



39.0870, 41.7196, 12.2101

Square

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



49.2705, 41.7196, 100.0636



55.7782, 41.7196, 24.3498



31.3767, 41.7196, 15.5047



26.9804, 41.7196, 76.1008

Rectangle

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



49.2705, 41.7196, 100.0636



58.8298, 41.7196, 52.5568



31.3767, 41.7196, 15.5047



25.1752, 41.7196, 38.9705

Sweetspot

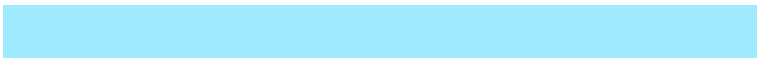
The Sweet Spot groups the original color and five complimentary colors.



49.2719, 41.7212, 100.0638



79.1378, 79.4690, 105.7758



61.8288, 73.5513, 105.5458



16.5510, 16.5124, 22.5648



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.



49.2719, 41.7212, 100.0638



43.0551, 34.0865, 98.9178



62.3805, 48.4789, 100.6773



17.3745, 17.5693, 22.7254



10.3797, 4.2614, 49.7100



1.0986, 0.4603, 4.8442

Inverse Universe

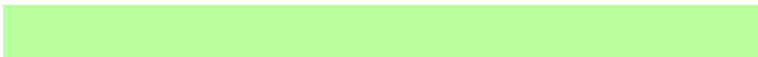
The Inverse Universe completely reimagines the original color for something new.



68.4901, 51.9980, 84.2689



64.9232, 45.7967, 80.2056



62.3172, 84.4878, 45.8258



18.6125, 18.2283, 21.8428



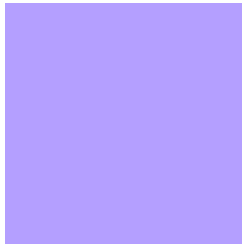
27.0067, 13.2920, 29.7492



2.6696, 1.3102, 3.1077

Previews

White Background



This preview shows how the XYZ color 49.2705, 41.7196, 100.0636 looks on a white background.

Color Contrast Check

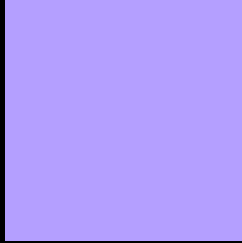
Large Text (above 18pt) WCAG AA × Fail

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 49.2705, 41.7196, 100.0636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

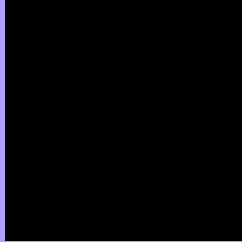
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2705, 41.7196, 100.0636

Background



This preview shows how black text looks on a background with the XYZ color 49.2705, 41.7196, 100.0636.



This preview shows how white text looks on a background with the XYZ color 49.2705, 41.7196,

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

49.2705, 41.7196, 100.0636

Protanopia

43.9263, 41.8987, 100.3798

Deuteranopia

43.1384, 42.1088, 97.9496



Tritanopia

39.6391, 41.5820, 52.9506

Trichromacy



Original Color

49.2705, 41.7196, 100.0636

Protanomaly

45.5908, 41.6605, 100.2461

Deuteranomaly

45.0659, 41.6978, 98.6018

Tritanomaly

42.6809, 41.4167, 68.0320

Monochromacy



Original Color

49.2705, 41.7196, 100.0636

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

43.5256, 42.5043, 63.6677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2705, 41.7196, 100.0636 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(180, 159, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 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(180, 159, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 159, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.2705, 41.7196, 100.0636 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(180, 159, 255) }
```


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

```
.border{ border-color:rgb(180, 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(180, 159, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 159, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 159, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 159,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2705, 41.7196, 100.0636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 159, 255) }
```

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

```
.background{ background-color: rgb(180,  
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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