

Converting Colors

XYZ(49.4217, 41.8001,
100.0712)

Have a look what the booklet for
XYZ(49.4217, 41.8001, 100.0712)
contains.

XYZ(49.5042, 41.8400, 100.0745)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.5042, 41.8400,
100.0745)**

Conversions

Conversions Part 1

Format	Color
Hex	B59FFF
RGB	181, 159, 255
RGB Percent	71%, 62%, 100%
CMY	0.2902, 0.3765, 0.0000
CMYK	0.29, 0.38, 0.00, 0.00
HSL	254°, 100%, 81%
HSV	254°, 38%, 100%
XYZ	49.5042, 41.8400, 100.0745
YIQ	176.5220, -17.7040, 34.5200

Conversions

Conversions Part 2

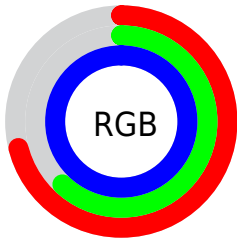
Format	Color
RYB	181, 159, 255
Decimal	11902975
CIELab	70.76, 28.32, -44.87
CIELCh	71, 53.058, 302.261
Yxy	41.8400, 0.2586, 0.2186
Android (android.graphics.Color)	4290093055 (0xFFB59FFF)
YUV	176.5220, 38.6897, 3.9272
Hunter-Lab	64.6838, 23.4139, -46.4508

Details

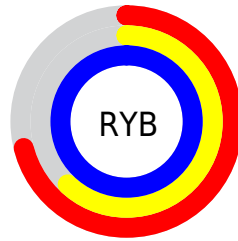
The XYZ color **49.5042, 41.8400, 100.0745** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **75.6224, 91.3469, 46.4483**, and the grayscale version is **41.3513, 43.5048, 47.3767**.

A 20% lighter version of the original color is **77.6932, 73.6639, 104.7314**, and **24.0549, 19.0282, 55.8311** is the 20% darker color. If you saturate the color by 10%, you get **41.2747, 31.7464, 98.5600**, and if you desaturate by 10%, it is **59.2912, 54.0808, 101.9214**.

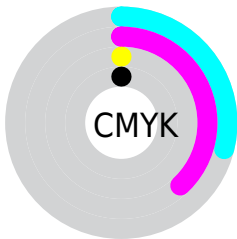
Distribution



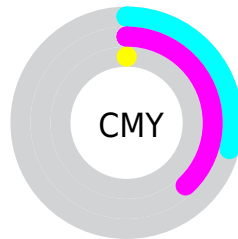
- Red (71%)
- Green (62%)
- Blue (100%)



- 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 49.5042, 41.8400, 100.0745 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 49.5042, 41.8400, 100.0745 by changing the saturation by 10% instead.


 49.5042, 41.8400,
100.0745


 49.5042, 41.8400,
100.0745


375.2080,
353.8192, 581.6802

 35.2358, 28.9760,
75.7455


 88.6361, 77.9574,
163.3123

 24.0119, 19.0627,
55.7185


 114.2302,
101.9796, 203.0583

 15.4673, 11.7156,
39.5748

144.3304,
130.4901, 248.7803

 9.2364, 6.5503,
26.8959

179.3018,
163.8731, 300.8969

 4.9540, 3.1825,
17.2633

219.5100,
202.5132, 359.8266

 2.2548, 1.2277,
10.2585

265.3201,

 0.7714, 0.0842,

246.7946, 425.9881

5.4628

317.0977,
297.1018, 499.7998

■ 0.0000, 0.0000,
2.4578

■ 0.0000, 0.0000,
0.8177

■ 49.5042, 41.8400,
100.0745

■ 49.5042, 41.8400,
100.0745

■ 41.2747, 31.7464,
98.5600

■ 59.2912, 54.0808,
101.9214

■ 34.5154, 23.6693,
97.3572

■ 70.7082, 68.5797,
104.1182

■ 29.1365, 17.4709,
96.4443

■ 83.8281, 85.4455,
106.6822

■ 25.0359, 12.9936,
95.7962

95.0500, 100.0000,
108.9000

■ 22.0962, 10.0529,
95.3836

■ 20.1694, 8.4093,
95.1679

■ 19.8206, 8.1328,
95.1329

Harmonies

Analogous

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



40.4392, 41.8400, 113.1914



49.5042, 41.8400, 100.0745



56.7090, 41.8400, 72.0498

Triad

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



49.5042, 41.8400, 100.0745



48.1778, 41.8400, 14.7112



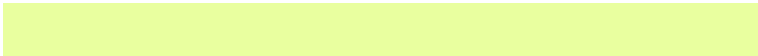
25.1387, 41.8400, 47.4960

Complementary

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



49.5042, 41.8400, 100.0745



75.6224, 91.3469, 46.4483

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.



26.5888, 41.8400, 26.5135



49.5042, 41.8400, 100.0745



39.1036, 41.8400, 12.2574

Square

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



49.5042, 41.8400, 100.0745



55.8672, 41.8400, 24.2709



31.3996, 41.8400, 15.6298



27.1027, 41.8400, 76.6405

Rectangle

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



49.5042, 41.8400, 100.0745



59.0086, 41.8400, 52.4013



31.3996, 41.8400, 15.6298



25.2427, 41.8400, 39.3356

Sweetspot

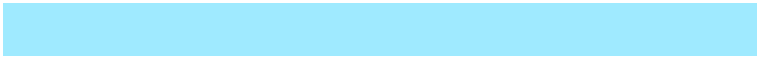
The Sweet Spot groups the original color and five complimentary colors.



49.5056, 41.8416, 100.0747



79.2334, 79.5182, 105.7802



61.8287, 73.5512, 105.5458



16.5736, 16.5240, 22.5659



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.



49.5056, 41.8416, 100.0747



43.3057, 34.2157, 98.9296



62.3805, 48.4788, 100.6773



17.3925, 17.5785, 22.7263



10.4629, 4.3043, 49.7139



1.1090, 0.4656, 4.8447

Inverse Universe

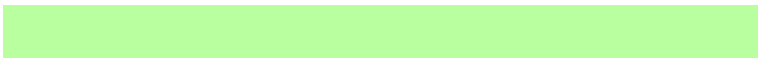
The Inverse Universe completely reimagines the original color for something new.



68.3466, 51.9405, 83.5138



64.7559, 45.7298, 79.3244



62.3172, 84.4878, 45.8257



18.6041, 18.2249, 21.7982



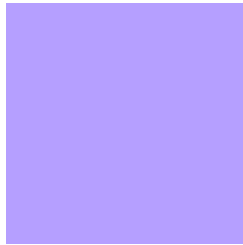
26.8483, 13.2286, 28.9151



2.6555, 1.3046, 3.0331

Previews

White Background



This preview shows how the XYZ color 49.5042, 41.8400, 100.0745 looks on a white background.

Color Contrast Check

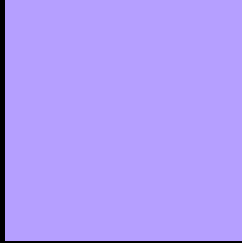
Large Text (above 18pt) WCAG AA × Fail

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 49.5042, 41.8400, 100.0745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

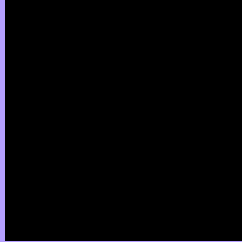
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5042, 41.8400, 100.0745

Background



This preview shows how black text looks on a background with the XYZ color 49.5042, 41.8400, 100.0745.



This preview shows how white text looks on a background with the XYZ color 49.5042, 41.8400,

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

49.5042, 41.8400, 100.0745

Protanopia

43.9263, 41.8987, 100.3798

Deuteranopia

43.1384, 42.1088, 97.9496



Tritanopia

40.0617, 41.7998, 52.9704

Trichromacy



Original Color

49.5042, 41.8400, 100.0745

Protanomaly

45.5908, 41.6605, 100.2461

Deuteranomaly

45.0659, 41.6978, 98.6018

Tritanomaly

43.1199, 41.6430, 68.0526

Monochromacy



Original Color

49.5042, 41.8400, 100.0745

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.7543, 42.6222, 63.6784

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5042, 41.8400, 100.0745 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(181, 159, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 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(181, 159, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 159, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.5042, 41.8400, 100.0745 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(181, 159, 255) }
```


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

```
.border{ border-color:rgb(181, 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(181, 159, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 159, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 159, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 159,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5042, 41.8400, 100.0745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 159, 255) }
```

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

```
.background{ background-color: rgb(181,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor