

Converting Colors

XYZ(55.2952, 45.6342,
130.4631)

Have a look what the booklet for
XYZ(55.2952, 45.6342, 130.4631)
contains.

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Color

**XYZ(49.6366, 43.4774,
100.3836)**

Conversions

Conversions Part 1

Format	Color
Hex	B1A5FF
RGB	177, 165, 255
RGB Percent	69%, 65%, 100%
CMY	0.3059, 0.3529, 0.0000
CMYK	0.31, 0.35, 0.00, 0.00
HSL	248°, 100%, 82%
HSV	248°, 35%, 100%
XYZ	49.6366, 43.4774, 100.3836
YIQ	178.8480, -21.7380, 30.5340

Conversions

Conversions Part 2

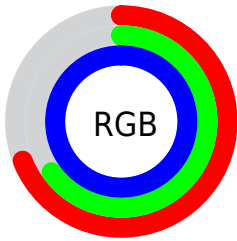
Format	Color
RYB	177, 165, 255
Decimal	11642367
CIELab	71.88, 23.86, -43.14
CIELCh	72, 49.301, 298.949
Yxy	43.4774, 0.2565, 0.2247
Android (android.graphics.Color)	4289832447 (0xFFB1A5FF)
YUV	178.8480, 37.5429, -1.6207
Hunter-Lab	65.9374, 18.9815, -44.1074

Details

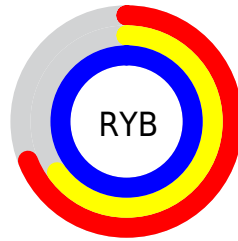
The XYZ color **49.6366, 43.4774, 100.3836** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **79.5140, 93.2914, 49.4151**, and the grayscale version is **42.5829, 44.8005, 48.7878**.

A 20% lighter version of the original color is **77.5749, 75.8988, 105.1690**, and **24.1242, 20.0250, 56.0198** is the 20% darker color. If you saturate the color by 10%, you get **40.8548, 32.7904, 98.7836**, and if you desaturate by 10%, it is **60.1533, 56.4216, 102.3278**.

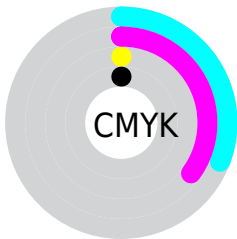
Distribution



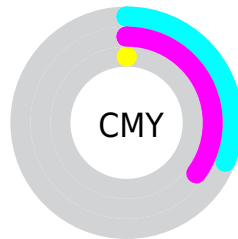
- Red (69%)
- Green (65%)
- Blue (100%)



- Red (69%)
- Yellow (65%)
- Blue (100%)



- Cyan (31%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6366, 43.4774, 100.3836 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 49.6366, 43.4774, 100.3836 by changing the saturation by 10% instead.


 49.6366, 43.4774,
100.3836


 49.6366, 43.4774,
100.3836


375.7186,
360.5714, 582.6790

 35.3414, 30.2599,
76.0023


 88.8313, 80.4308,
163.7407

 24.0937, 20.0359,
55.9277


 114.4614,
104.9354, 203.5536

 15.5282, 12.4212,
39.7414


144.6005,
133.9712, 249.3473

 9.2797, 7.0312,
27.0247

179.6140,
167.9226, 301.5406

 4.9826, 3.4816,
17.3592

219.8672,
207.1739, 360.5518

 2.2717, 1.3880,
10.3262

265.7255,

 0.7801, 0.2079,

252.1095, 426.7996

5.5074

317.5542,
303.1139, 500.7025

■ 0.0000, 0.0000,
2.4840

■ 0.0000, 0.0000,
0.8317

■ 49.6366, 43.4774,
100.3836

■ 49.6366, 43.4774,
100.3836

■ 40.8548, 32.7904,
98.7836

■ 60.1533, 56.4216,
102.3278

■ 33.7096, 24.2260,
97.5071

■ 72.4874, 71.7375,
104.6340

■ 28.0995, 17.6427,
96.5321

■ 86.7213, 89.5377,
107.3195

■ 23.9096, 12.8797,
95.8336

95.0500, 100.0000,
108.9000

■ 21.0082, 9.7505,
95.3825

■ 19.2377, 8.0275,
95.1433

■ 18.7097, 7.5601,
95.0809

Harmonies

Analogous

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



41.0288, 43.4774, 110.2053



49.6366, 43.4774, 100.3836



56.7464, 43.4774, 75.3997

Triad

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



49.6366, 43.4774, 100.3836



50.2180, 43.4774, 17.7604



27.1993, 43.4774, 46.4971

Complementary

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



49.6366, 43.4774, 100.3836



79.5140, 93.2914, 49.4151

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.



28.9844, 43.4774, 27.2804



49.6366, 43.4774, 100.3836



41.6206, 43.4774, 14.5373

Square

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



49.6366, 43.4774, 100.3836



57.1127, 43.4774, 28.3095



33.9954, 43.4774, 17.3232



28.7515, 43.4774, 73.4154

Rectangle

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



49.6366, 43.4774, 100.3836



59.2697, 43.4774, 56.7613



33.9954, 43.4774, 17.3232



27.4243, 43.4774, 39.0227

Sweetspot

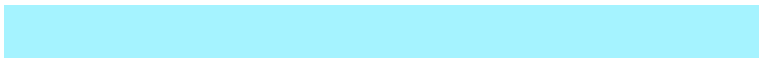
The Sweet Spot groups the original color and five complimentary colors.



49.6380, 43.4790, 100.3838



78.3605, 79.0682, 105.7394



65.6185, 79.3212, 106.4598



16.3671, 16.4176, 22.5562



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.



49.6380, 43.4790, 100.3838



43.5612, 36.0688, 99.2738



61.6303, 49.6613, 100.9451



17.2281, 17.4938, 22.7186



9.8449, 3.9857, 49.6850



1.0247, 0.4222, 4.8408

Inverse Universe

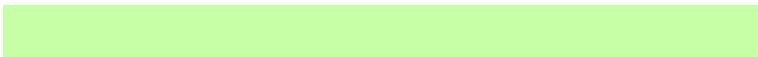
The Inverse Universe completely reimagines the original color for something new.



70.8734, 54.6426, 91.6056



67.6495, 48.7426, 88.8422



65.8411, 86.2428, 48.7753



18.6823, 18.2562, 22.2102



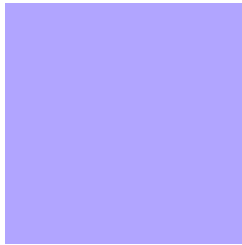
28.4087, 13.8528, 37.1323



2.7937, 1.3599, 3.7611

Previews

White Background



This preview shows how the XYZ color 49.6366, 43.4774, 100.3836 looks on a white background.

Color Contrast Check

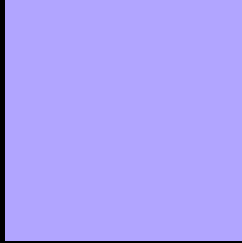
Large Text (above 18pt) WCAG AA × Fail

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 49.6366, 43.4774, 100.3836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

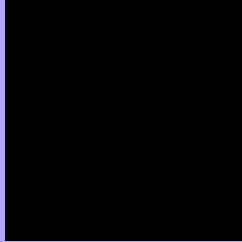
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6366, 43.4774, 100.3836

Background



This preview shows how black text looks on a background with the XYZ color 49.6366, 43.4774, 100.3836.



This preview shows how white text looks on a background with the XYZ color 49.6366, 43.4774,

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

49.6366, 43.4774, 100.3836

Protanopia

45.3880, 43.4967, 100.6112

Deuteranopia

44.7197, 43.4749, 98.9630



Tritanopia

40.7447, 43.5391, 56.1256

Trichromacy



Original Color

49.6366, 43.4774, 100.3836

Protanomaly

46.7228, 43.3404, 100.5107

Deuteranomaly

46.3569, 43.4497, 99.7093

Tritanomaly

43.5715, 43.2285, 70.3374

Monochromacy



Original Color

49.6366, 43.4774, 100.3836

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

44.7586, 44.2421, 65.2120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6366, 43.4774, 100.3836 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(177, 165, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 165, 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(177, 165, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 165, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.6366, 43.4774, 100.3836 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(177, 165, 255) }
```


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

```
.border{ border-color:rgb(177, 165, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 165, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 165, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 165, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 165,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6366, 43.4774, 100.3836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 165, 255) }
```

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

```
.background{ background-color: rgb(177,  
165, 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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