

Converting Colors

XYZ(49.0068, 44.7970,
100.6715)

Have a look what the booklet for
XYZ(49.0068, 44.7970, 100.6715)
contains.

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Color

**XYZ(48.9751, 44.7808,
100.6700)**

Conversions

Conversions Part 1

Format	Color
Hex	A9ABFF
RGB	169, 171, 255
RGB Percent	66%, 67%, 100%
CMY	0.3372, 0.3294, 0.0000
CMYK	0.34, 0.33, 0.00, 0.00
HSL	239°, 100%, 83%
HSV	239°, 34%, 100%
XYZ	48.9751, 44.7808, 100.6700
YIQ	179.9780, -28.1560, 25.7000

Conversions

Conversions Part 2

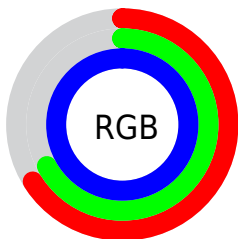
Format	Color
RYB	169, 171, 255
Decimal	11119615
CIELab	72.75, 18.32, -41.83
CIELCh	73, 45.662, 293.652
Yxy	44.7808, 0.2519, 0.2303
Android (android.graphics.Color)	4289309695 (0xFFA9ABFF)
YUV	179.9780, 36.9858, -9.6277
Hunter-Lab	66.9185, 13.5301, -42.3511

Details

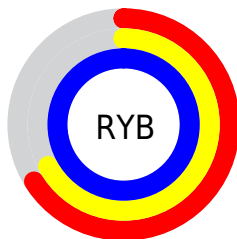
The XYZ color **48.9751, 44.7808, 100.6700** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **83.5274, 94.3759, 51.3521**, and the grayscale version is **43.1906, 45.4398, 49.4840**.

A 20% lighter version of the original color is **76.6104, 77.7815, 105.5833**, and **23.7293, 20.8483, 56.1995** is the 20% darker color. If you saturate the color by 10%, you get **39.7588, 33.6921, 99.0154**, and if you desaturate by 10%, it is **60.1474, 58.1955, 102.6705**.

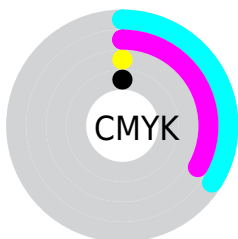
Distribution



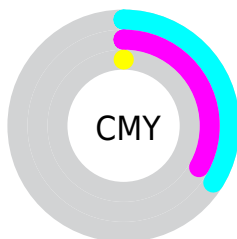
- Red (66%)
- Green (67%)
- Blue (100%)



- Red (66%)
- Yellow (67%)
- Blue (100%)



- Cyan (34%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.9751, 44.7808, 100.6700 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 48.9751, 44.7808, 100.6700 by changing the saturation by 10% instead.

■ 48.9751, 44.7808,
100.6700

■ 48.9751, 44.7808,
100.6700

373.1629,
365.8851, 583.6036

■ 34.8142, 31.2848,
76.2402

■ 87.8554, 82.3914,
164.1375

■ 23.6856, 20.8158,
56.1217

113.3055,
107.2748, 204.0123

■ 15.2240, 12.9894,
39.8958

143.2494,
136.7227, 249.8725

■ 9.0641, 7.4213,
27.1442

178.0524,
171.1197, 302.1367

■ 4.8405, 3.7269,
17.4481

218.0799,
210.8500, 361.2233

■ 2.1878, 1.5220,
10.3892

263.6973,

■ 0.7363, 0.3041,

256.2980, 427.5510

5.5488

315.2698,
307.8483, 501.5383

■ 0.0000, 0.0000,
2.5084

■ 0.0000, 0.0000,
0.8446

■ 48.9751, 44.7808,
100.6700

■ 48.9751, 44.7808,
100.6700

■ 39.7588, 33.6921,
99.0154

■ 60.1474, 58.1955,
102.6705

■ 32.3821, 24.7925,
97.6864

■ 73.3747, 74.0529,
105.0341

■ 26.7227, 17.9385,
96.6618

■ 88.7544, 92.4675,
107.7779

■ 22.6421, 12.9677,
95.9174

■ 95.0500, 100.0000,
108.9000

■ 19.9800, 9.6925,
95.4255

■ 18.5423, 7.8873,
95.1529

■ 18.1143, 7.3487,
95.0714

Harmonies

Analogous

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



40.8997, 44.7808, 106.2827



48.9751, 44.7808, 100.6700



56.0573, 44.7808, 79.4766

Triad

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



48.9751, 44.7808, 100.6700



52.2508, 44.7808, 21.3736



29.1403, 44.7808, 44.0897

Complementary

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



48.9751, 44.7808, 100.6700



83.5274, 94.3759, 51.3521

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.



31.4289, 44.7808, 27.1928



48.9751, 44.7808, 100.6700



44.2704, 44.7808, 16.9696

Square

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



48.9751, 44.7808, 100.6700



58.1067, 44.7808, 33.2593



36.7362, 44.7808, 18.7077



30.0721, 44.7808, 68.4512

Rectangle

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



48.9751, 44.7808, 100.6700



58.9278, 44.7808, 62.1064



36.7362, 44.7808, 18.7077



29.5483, 44.7808, 37.4750

Sweetspot

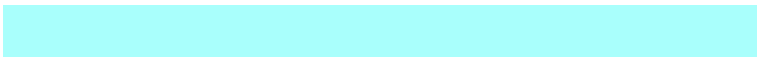
The Sweet Spot groups the original color and five complimentary colors.



48.9765, 44.7824, 100.6703



78.8455, 80.6057, 106.0106



69.7149, 86.9922, 105.3232



16.4267, 16.7146, 22.6104



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.



48.9765, 44.7824, 100.6703



42.9701, 37.5587, 99.5925



58.5716, 49.1725, 101.0119



17.0369, 17.4453, 22.7193



9.4798, 3.8691, 49.6818



0.9344, 0.3995, 4.8411

Inverse Universe

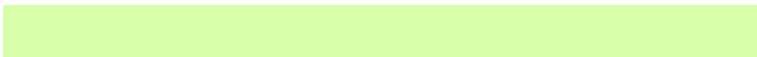
The Inverse Universe completely reimagines the original color for something new.



62.7797, 52.5778, 45.3693



58.5789, 46.4215, 37.0468



70.9075, 88.8119, 50.9433



18.0265, 17.9939, 18.7567



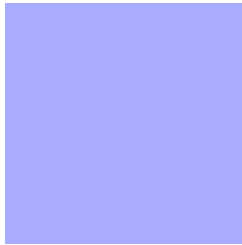
21.5731, 11.1186, 1.1367



2.1062, 1.0849, 0.1409

Previews

White Background



This preview shows how the XYZ color 48.9751, 44.7808, 100.6700 looks on a white background.

Color Contrast Check

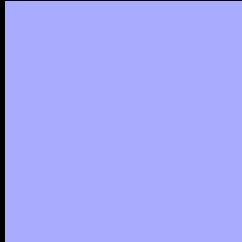
Large Text (above 18pt) WCAG AA × Fail

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 48.9751, 44.7808, 100.6700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

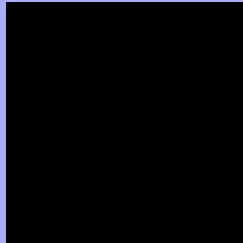
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.9751, 44.7808, 100.6700

Background



This preview shows how black text looks on a background with the XYZ color 48.9751, 44.7808, 100.6700.



This preview shows how white text looks on a background with the XYZ color 48.9751, 44.7808,

100.6700.

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

48.9751, 44.7808, 100.6700

Protanopia

46.7122, 45.0430, 100.8399

Deuteranopia

46.1892, 45.0841, 100.0336



Tritanopia

40.5163, 44.5550, 59.2879

Trichromacy



Original Color

48.9751, 44.7808, 100.6700

Protanomaly

47.4841, 44.8630, 100.7645

Deuteranomaly

47.1240, 44.9838, 99.9650

Tritanomaly

43.2732, 44.4798, 72.6344

Monochromacy



Original Color

48.9751, 44.7808, 100.6700

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

44.8891, 45.1794, 65.3861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9751, 44.7808, 100.6700 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(169, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 171, 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(169, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 171, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.9751, 44.7808, 100.6700 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(169, 171, 255) }
```


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

```
.border{ border-color:rgb(169, 171, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(169, 171,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9751, 44.7808, 100.6700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 171, 255) }
```

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

```
.background{ background-color: rgb(169,  
171, 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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