

Converting Colors

XYZ(49.8329, 45.9031,
100.8414)

Have a look what the booklet for
XYZ(49.8329, 45.9031, 100.8414)
contains.

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Color

**XYZ(49.7882, 45.7651,
100.8172)**

Conversions

Conversions Part 1

Format	Color
Hex	ABADFF
RGB	171, 173, 255
RGB Percent	67%, 68%, 100%
CMY	0.3294, 0.3216, 0.0000
CMYK	0.33, 0.32, 0.00, 0.00
HSL	239°, 100%, 84%
HSV	239°, 33%, 100%
XYZ	49.7882, 45.7651, 100.8172
YIQ	181.7500, -27.5140, 25.0780

Conversions

Conversions Part 2

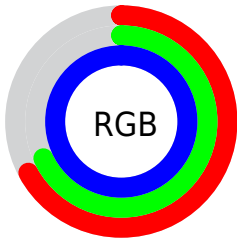
Format	Color
RYB	171, 173, 255
Decimal	11251199
CIELab	73.39, 17.74, -40.81
CIElCh	73, 44.499, 293.498
Yxy	45.7651, 0.2535, 0.2331
Android (android.graphics.Color)	4289441279 (0xFFABADFF)
YUV	181.7500, 36.1123, -9.4277
Hunter-Lab	67.6499, 12.9830, -41.0037

Details

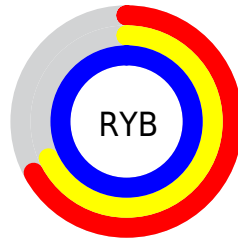
The XYZ color **49.7882, 45.7651, 100.8172** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **83.7165, 94.4513, 52.3486**, and the grayscale version is **44.1495, 46.4487, 50.5826**.

A 20% lighter version of the original color is **77.7883, 79.2008, 105.7951**, and **24.2329, 21.4650, 56.2920** is the 20% darker color. If you saturate the color by 10%, you get **40.4233, 34.5001, 99.1364**, and if you desaturate by 10%, it is **61.1166, 59.3642, 102.8450**.

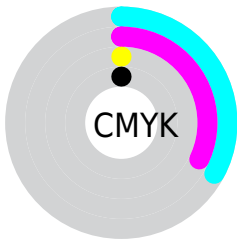
Distribution



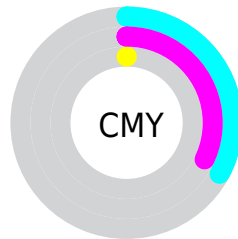
- Red (67%)
- Green (68%)
- Blue (100%)



- Red (67%)
- Yellow (68%)
- Blue (100%)



- Cyan (33%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7882, 45.7651, 100.8172 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 49.7882, 45.7651, 100.8172 by changing the saturation by 10% instead.

■ 49.7882, 45.7651,
100.8172

■ 49.7882, 45.7651,
100.8172

376.3028,
369.8635, 584.0786

■ 35.4622, 32.0605,
76.3625

■ 89.0547, 83.8673,
164.3414

■ 24.1873, 21.4077,
56.2214

114.7259,
109.0338, 204.2480

■ 15.5981, 13.4224,
39.9753

144.9096,
138.7896, 250.1423

■ 9.3293, 7.7200,
27.2056

179.9712,
173.5192, 302.4429

■ 5.0154, 3.9163,
17.4939

220.2759,
213.6070, 361.5683

■ 2.2912, 1.6269,
10.4216

266.1892,

■ 0.7901, 0.3756,

259.4374, 427.9370

5.5701

318.0764,
311.3947, 501.9676

■ 0.0000, 0.0000,
2.5210

■ 0.0000, 0.0000,
0.8512

■ 49.7882, 45.7651,
100.8172

■ 49.7882, 45.7651,
100.8172

■ 40.4233, 34.5001,
99.1364

■ 61.1166, 59.3642,
102.8450

■ 32.9062, 25.4333,
97.7825

■ 74.5068, 75.4131,
105.2370

■ 27.1160, 18.4226,
96.7345

■ 90.0555, 94.0255,
108.0100

■ 22.9155, 13.3073,
95.9685

95.0500, 100.0000,
108.9000

■ 20.1466, 9.9028,
95.4573

■ 18.6189, 7.9874,
95.1681

■ 18.1159, 7.3518,
95.0720

Harmonies

Analogous

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



41.8141, 45.7651, 106.1914



49.7882, 45.7651, 100.8172



56.7720, 45.7651, 80.1663

Triad

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



49.7882, 45.7651, 100.8172



53.0930, 45.7651, 22.5652



30.1772, 45.7651, 45.1011

Complementary

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



49.7882, 45.7651, 100.8172



83.7165, 94.4513, 52.3486

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.



32.4739, 45.7651, 28.3132



49.7882, 45.7651, 100.8172



45.2273, 45.7651, 18.0725

Square

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



49.7882, 45.7651, 100.8172



58.8345, 45.7651, 34.5264



37.7619, 45.7651, 19.8041



31.0897, 45.7651, 69.0966

Rectangle

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



49.7882, 45.7651, 100.8172



59.6072, 45.7651, 63.1230



37.7619, 45.7651, 19.8041



30.5896, 45.7651, 38.5487

Sweetspot

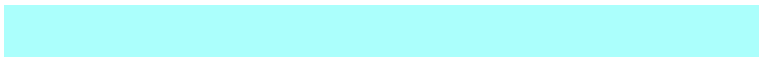
The Sweet Spot groups the original color and five complimentary colors.



49.7896, 45.7668, 100.8174



78.8495, 80.6136, 106.0119



70.1579, 87.2193, 105.3991



16.4276, 16.7165, 22.6107



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.



49.7896, 45.7668, 100.8174



42.9796, 37.5777, 99.5957



59.2496, 50.0786, 101.1511



17.0377, 17.4470, 22.7196



9.4809, 3.8714, 49.6821



0.9348, 0.4003, 4.8413

Inverse Universe

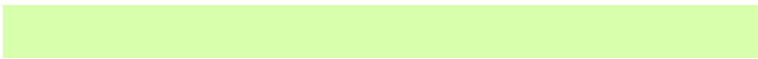
The Inverse Universe completely reimagines the original color for something new.



63.3468, 53.4045, 46.5062



58.5836, 46.4234, 37.0721



71.3714, 89.0292, 51.9527



18.0269, 17.9941, 18.7589



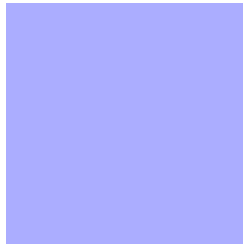
21.5737, 11.1188, 1.1398



2.1064, 1.0850, 0.1420

Previews

White Background



This preview shows how the XYZ color 49.7882, 45.7651, 100.8172 looks on a white background.

Color Contrast Check

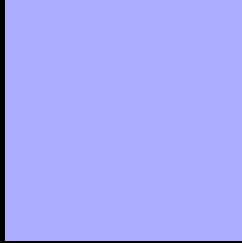
Large Text (above 18pt) WCAG AA × Fail

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 49.7882, 45.7651, 100.8172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

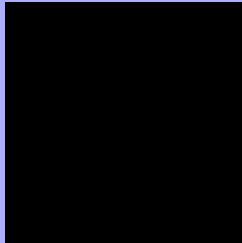
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7882, 45.7651, 100.8172

Background



This preview shows how black text looks on a background with the XYZ color 49.7882, 45.7651, 100.8172.



This preview shows how white text looks on a background with the XYZ color 49.7882, 45.7651,

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

49.7882, 45.7651, 100.8172

Protanopia

47.4824, 45.7322, 100.9323

Deuteranopia

47.1362, 45.8666, 100.1347



Tritanopia

41.7474, 45.7754, 60.6681

Trichromacy



Original Color

49.7882, 45.7651, 100.8172

Protanomaly

48.2733, 45.8477, 100.9130

Deuteranomaly

47.9119, 45.6800, 100.0578

Tritanomaly

44.2117, 45.5435, 73.4784

Monochromacy



Original Color

49.7882, 45.7651, 100.8172

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.9888, 46.3086, 66.8362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7882, 45.7651, 100.8172 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(171, 173, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 173, 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(171, 173, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 173, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.7882, 45.7651, 100.8172 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(171, 173, 255) }
```


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

```
.border{ border-color:rgb(171, 173, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 173, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 173, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 173, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 173,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7882, 45.7651, 100.8172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 173, 255) }
```

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

```
.background{ background-color: rgb(171,  
173, 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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