

Converting Colors

XYZ(55.4423, 42.2797,
116.8751)

Have a look what the booklet for
XYZ(55.4423, 42.2797, 116.8751)
contains.

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Color

**XYZ(52.2450, 41.0385,
99.7753)**

Conversions

Conversions Part 1

Format	Color
Hex	C696FF
RGB	198, 150, 255
RGB Percent	78%, 59%, 100%
CMY	0.2235, 0.4117, 0.0000
CMYK	0.22, 0.41, 0.00, 0.00
HSL	267°, 100%, 79%
HSV	267°, 41%, 100%
XYZ	52.2450, 41.0385, 99.7753
YIQ	176.3220, -5.0970, 42.8310

Conversions

Conversions Part 2

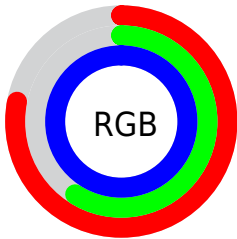
Format	Color
R_{YB}	198, 150, 255
Decimal	13014783
CIE _{Lab}	70.20, 38.02, -45.63
CIE _{LCh}	70, 59.395, 309.796
Yxy	41.0385, 0.2706, 0.2126
Android (android.graphics.Color)	4291204863 (0xFFC696FF)
YUV	176.3220, 38.7883, 19.0116
Hunter-Lab	64.0613, 33.4679, -47.5011

Details

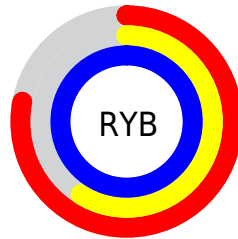
The XYZ color **52.2450, 41.0385, 99.7753** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **66.9979, 86.9877, 42.1150**, and the grayscale version is **41.2419, 43.3897, 47.2513**.

A 20% lighter version of the original color is **81.1213, 72.1426, 104.2571**, and **25.7161, 18.5634, 55.6538** is the 20% darker color. If you saturate the color by 10%, you get **45.1265, 31.9721, 98.4005**, and if you desaturate by 10%, it is **60.5851, 52.0506, 101.4613**.

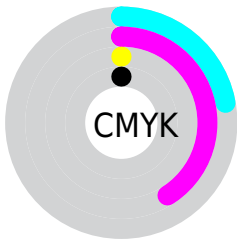
Distribution



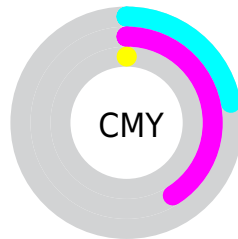
- Red (78%)
- Green (59%)
- Blue (100%)



- Red (78%)
- Yellow (59%)
- Blue (100%)



- Cyan (22%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)





- Cyan (22%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.2450, 41.0385, 99.7753 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 52.2450, 41.0385, 99.7753 by changing the saturation by 10% instead.


 52.2450, 41.0385,
99.7753


 52.2450, 41.0385,
99.7753

385.6902,
350.4815, 580.7125

 37.4255, 28.3492,
75.4971

 92.6646, 76.7423,
162.8975

 25.7123, 18.5890,
55.5160


 118.9953,
100.5256, 202.5786

 16.7401, 11.3737,
39.4136


149.8938,
128.7757, 248.2311

 10.1435, 6.3188,
26.7713

185.7254,
161.8769, 300.2734

 5.5572, 3.0399,
17.1707

226.8555,
200.2137, 359.1242

 2.6158, 1.1526,
10.1930

273.6494,

 0.9540, 0.0225,

244.1705, 425.2019

5.4198

326.4725,
294.1316, 498.9252

■ 0.0000, 0.0000,
2.4326

■ 0.0000, 0.0000,
0.8041

■ 52.2450, 41.0385,
99.7753

■ 52.2450, 41.0385,
99.7753

■ 45.1265, 31.9721,
98.4005

■ 60.5851, 52.0506,
101.4613

■ 39.1584, 24.7259,
97.3164

■ 70.2039, 65.1135,
103.4758

■ 34.2681, 19.1669,
96.5012

■ 81.1597, 80.3305,
105.8355

■ 30.3711, 15.1410,
95.9295

■ 93.5058, 97.7962,
108.5560

■ 27.3678, 12.4639,
95.5711

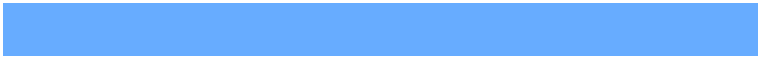
95.0500, 100.0000,
108.9000

■ 25.3288, 10.9724,
95.3906

Harmonies

Analogous

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



42.2757, 41.0385, 120.9910



52.2450, 41.0385, 99.7753



59.3253, 41.0385, 65.8564

Triad

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



52.2450, 41.0385, 99.7753



45.8293, 41.0385, 10.9072



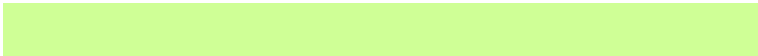
23.3243, 41.0385, 54.4321

Complementary

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



52.2450, 41.0385, 99.7753



66.9979, 86.9877, 42.1150

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.



23.9532, 41.0385, 28.6185



52.2450, 41.0385, 99.7753



35.9091, 41.0385, 9.9540

Square

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



52.2450, 41.0385, 99.7753



55.2151, 41.0385, 18.4184



28.2166, 41.0385, 14.8685



26.3269, 41.0385, 88.4902

Rectangle

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



52.2450, 41.0385, 99.7753



60.8604, 41.0385, 44.8751



28.2166, 41.0385, 14.8685



23.1314, 41.0385, 44.4934

Sweetspot

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



52.2464, 41.0401, 99.7756



80.2038, 78.9911, 105.6273



53.1238, 58.6952, 103.1371



16.8471, 16.4601, 22.5391



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.



52.2464, 41.0401, 99.7756



46.5745, 33.7849, 98.6741



68.2919, 49.3118, 100.5265



17.7919, 17.7845, 22.7450



13.4022, 5.8196, 49.8515



1.4291, 0.6306, 4.8597

Inverse Universe

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



63.4096, 47.5790, 64.8740



59.4084, 41.3102, 58.1957



54.8317, 80.7158, 41.5456



18.4218, 18.1520, 20.8385



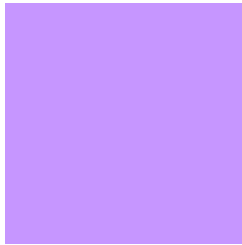
24.0384, 12.1046, 14.1185



2.3957, 1.2007, 1.6652

Previews

White Background



This preview shows how the XYZ color 52.2450, 41.0385, 99.7753 looks on a white background.

Color Contrast Check

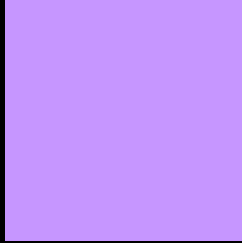
Large Text (above 18pt) WCAG AA × Fail

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 52.2450, 41.0385, 99.7753 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 52.2450, 41.0385, 99.7753

Background



This preview shows how black text looks on a background with the XYZ color 52.2450, 41.0385, 99.7753.



This preview shows how white text looks on a background with the XYZ color 52.2450, 41.0385,

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

52.2450, 41.0385, 99.7753

Protanopia

43.3933, 41.3467, 100.3014

Deuteranopia

42.4348, 41.2035, 96.9833



Tritanopia

41.7805, 40.8414, 48.3289

Trichromacy



Original Color

52.2450, 41.0385, 99.7753

Protanomaly

45.8706, 40.7420, 100.0541

Deuteranomaly

45.1651, 40.6962, 97.5702

Tritanomaly

45.0685, 40.5938, 64.4915

Monochromacy



Original Color

52.2450, 41.0385, 99.7753

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

44.6053, 42.2356, 63.5589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2450, 41.0385, 99.7753 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(198, 150, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 150, 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(198, 150, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 150, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.2450, 41.0385, 99.7753 is called "border". The border property can be set on classes, ids or directly on the HTML element.

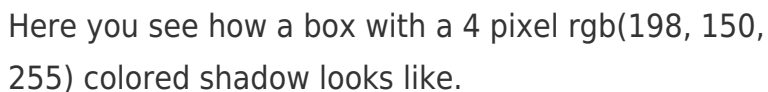
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 150, 255) }
```


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

```
.border{ border-color:rgb(198, 150, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 150, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 150, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 150, 255); box-shadow:4px 4px 4px 4px rgb(198, 150, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2450, 41.0385, 99.7753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 150, 255) }
```

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

```
.background{ background-color: rgb(198,  
150, 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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