

Converting Colors

XYZ(56.4033, 45.9781,
108.5403)

Have a look what the booklet for
XYZ(56.4033, 45.9781, 108.5403)
contains.

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Color

**XYZ(54.7897, 45.3400,
100.4715)**

Conversions

Conversions Part 1

Format	Color
Hex	C8A2FF
RGB	200, 162, 255
RGB Percent	78%, 64%, 100%
CMY	0.2157, 0.3647, 0.0000
CMYK	0.22, 0.36, 0.00, 0.00
HSL	265°, 100%, 82%
HSV	265°, 36%, 100%
XYZ	54.7897, 45.3400, 100.4715
YIQ	183.9640, -7.2050, 36.9790

Conversions

Conversions Part 2

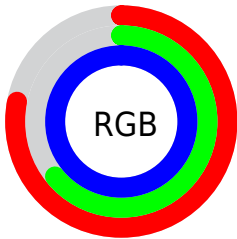
Format	Color
RYB	200, 162, 255
Decimal	13148927
CIELab	73.12, 32.01, -41.06
CIELCh	73, 52.065, 307.935
Yxy	45.3400, 0.2731, 0.2260
Android (android.graphics.Color)	4291339007 (0xFFC8A2FF)
YUV	183.9640, 35.0207, 14.0636
Hunter-Lab	67.3350, 27.4072, -41.3330

Details

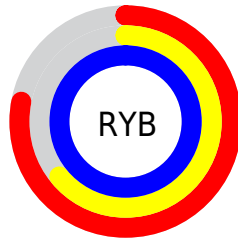
The XYZ color **54.7897, 45.3400, 100.4715** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **70.8976, 88.8807, 47.6032**, and the grayscale version is **45.3571, 47.7192, 51.9662**.

A 20% lighter version of the original color is **84.1029, 78.1057, 105.2510**, and **27.2706, 21.1584, 56.0727** is the 20% darker color. If you saturate the color by 10%, you get **46.9141, 35.2752, 98.9439**, and if you desaturate by 10%, it is **63.9762, 57.4345, 102.3218**.

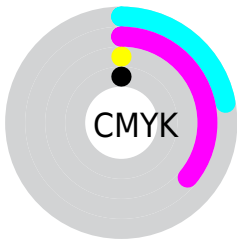
Distribution



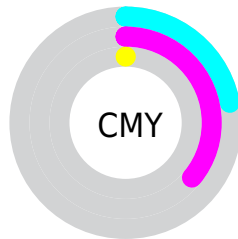
- Red (78%)
- Green (64%)
- Blue (100%)



- Red (78%)
- Yellow (64%)
- Blue (100%)



- Cyan (22%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)




- Cyan (22%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.7897, 45.3400, 100.4715 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 54.7897, 45.3400, 100.4715 by changing the saturation by 10% instead.


 54.7897, 45.3400,
100.4715

 54.7897, 45.3400,
100.4715


395.2637,
368.1488, 582.9629

 39.4666, 31.7253,
76.0753

 96.3829, 83.2304,
163.8625

 27.3052, 21.1518,
55.9872


 123.3836,
108.2749, 203.6944

 17.9404, 13.2350,
39.7888


155.0076,
137.8981, 249.5086

 11.0066, 7.5906,
27.0613

191.6202,
172.4844, 301.7236

 6.1386, 3.8341,
17.3865

233.5867,
212.4183, 360.7580

 2.9710, 1.5812,
10.3455

281.2726,

 1.1384, 0.3449,

258.0840, 427.0303

5.5201

335.0431,
309.8661, 500.9591

■ 0.0569, 0.0000,
2.4915

■ 0.0000, 0.0000,
0.8356

■ 54.7897, 45.3400,
100.4715

■ 54.7897, 45.3400,
100.4715

■ 46.9141, 35.2752,
98.9439

■ 63.9762, 57.4345,
102.3218

■ 40.2782, 27.1181,
97.7192

■ 74.5309, 71.6606,
104.5114

■ 34.8101, 20.7416,
96.7766

■ 86.5129, 88.1194,
107.0568

■ 30.4275, 15.9999,
96.0923

95.0500, 100.0000,
108.9000

■ 27.0357, 12.7230,
95.6386

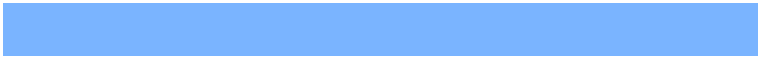
■ 24.5185, 10.6997,
95.3807

■ 23.7815, 10.1747,
95.3182

Harmonies

Analogous

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



45.5588, 45.3400, 117.6215



54.7897, 45.3400, 100.4715



61.4598, 45.3400, 70.7226

Triad

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



54.7897, 45.3400, 100.4715



50.0182, 45.3400, 15.9344



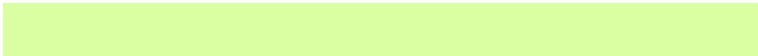
27.9642, 45.3400, 56.6244

Complementary

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



54.7897, 45.3400, 100.4715



70.8976, 88.8807, 47.6032

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.



28.8089, 45.3400, 32.8125



54.7897, 45.3400, 100.4715



40.7203, 45.3400, 14.4777

Square

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



54.7897, 45.3400, 100.4715



58.4456, 45.3400, 24.4959



33.1943, 45.3400, 19.4216



30.6981, 45.3400, 87.0934

Rectangle

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



54.7897, 45.3400, 100.4715



63.0857, 45.3400, 51.1985



33.1943, 45.3400, 19.4216



27.8472, 45.3400, 47.5808

Sweetspot

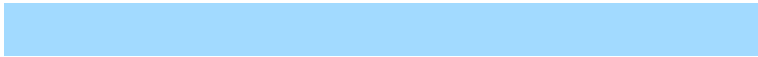
The Sweet Spot groups the original color and five complimentary colors.



54.7911, 45.3418, 100.4718



80.9036, 80.3793, 105.8584



57.9711, 64.9417, 104.0874



16.9699, 16.7283, 22.5844



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.



54.7911, 45.3418, 100.4718



48.7409, 37.5785, 99.2922



68.8720, 52.6007, 101.1307



17.7058, 17.7401, 22.7409



12.5854, 5.3985, 49.8133



1.3456, 0.5876, 4.8558

Inverse Universe

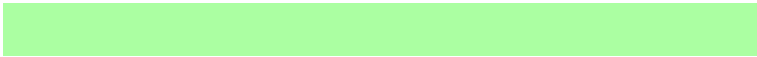
The Inverse Universe completely reimagines the original color for something new.



66.6856, 52.1119, 72.1904



62.5602, 45.4560, 65.8985



59.1427, 82.8208, 47.0531



18.4602, 18.1674, 21.0405



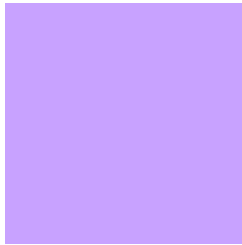
24.5353, 12.3034, 16.7352



2.4432, 1.2196, 1.9152

Previews

White Background



This preview shows how the XYZ color 54.7897, 45.3400, 100.4715 looks on a white background.

Color Contrast Check

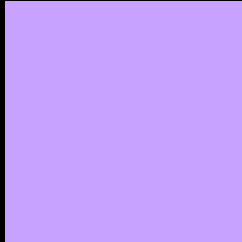
Large Text (above 18pt) WCAG AA × Fail

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 54.7897, 45.3400, 100.4715 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 54.7897, 45.3400, 100.4715

Background



This preview shows how black text looks on a background with the XYZ color 54.7897, 45.3400, 100.4715.



This preview shows how white text looks on a background with the XYZ color 54.7897, 45.3400,

100.4715.

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

54.7897, 45.3400, 100.4715

Protanopia

47.2897, 45.6328, 100.9233

Deuteranopia

46.8175, 45.7391, 98.4564



Tritanopia

45.4497, 45.4162, 54.5149

Trichromacy



Original Color

54.7897, 45.3400, 100.4715



Protanomaly

49.5971, 45.3830, 100.7535



Deuteranomaly

49.2767, 45.2548, 99.0664

Tritanomaly

48.3114, 45.1364, 69.1167

Monochromacy



Original Color

54.7897, 45.3400, 100.4715



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

48.3934, 46.6510, 67.4267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.7897, 45.3400, 100.4715 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(200, 162, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 162, 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(200, 162, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 162, 255) }
```

Border

The CSS property to change the border of an element to XYZ 54.7897, 45.3400, 100.4715 is called "border". The border property can be set on classes, ids or directly on the HTML element.

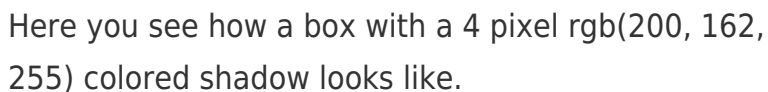
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(200, 162, 255) }
```


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

```
.border{ border-color:rgb(200, 162, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(200, 162, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 162, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 162, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 162,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 54.7897, 45.3400, 100.4715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 162, 255) }
```

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

```
.background{ background-color: rgb(200,  
162, 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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