

# Converting Colors

XYZ(54.5576, 46.8296,  
100.7713)

Have a look what the booklet for  
XYZ(54.5576, 46.8296, 100.7713)  
contains.

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# Color

**XYZ(54.5583, 46.8274,  
100.7708)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3A8FF
RGB	195, 168, 255
RGB Percent	76%, 66%, 100%
CMY	0.2353, 0.3412, 0.0000
CMYK	0.24, 0.34, 0.00, 0.00
HSL	259°, 100%, 83%
HSV	259°, 34%, 100%
XYZ	54.5583, 46.8274, 100.7708
YIQ	185.9910, -11.8350, 32.7810

# Conversions

## Conversions Part 2

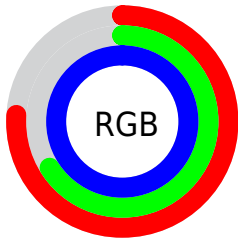
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">195, 168, 255</a>
Decimal	<a href="#">12822783</a>
CIELab	<a href="#">74.08, 27.27, -39.60</a>
CIElCh	<a href="#">74, 48.075, 304.551</a>
Yxy	<a href="#">46.8274, 0.2699, 0.2316</a>
Android (android.graphics.Color)	<a href="#">4291012863 (0xFFC3A8FF)</a>
YUV	<a href="#">185.9910, 34.0214, 7.9009</a>
Hunter-Lab	<a href="#">68.4305, 22.5610, -39.4090</a>

# Details

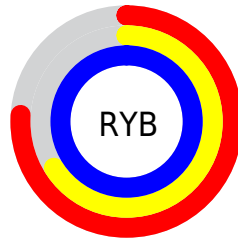
The XYZ color **54.5583, 46.8274, 100.7708** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **74.8235, 90.8415, 50.6383**, and the grayscale version is **46.4887, 48.9098, 53.2627**.

A 20% lighter version of the original color is **84.9457, 80.8780, 105.7416**, and **27.2537, 22.1434, 56.2638** is the 20% darker color. If you saturate the color by 10%, you get **46.0247, 36.1124, 99.1524**, and if you desaturate by 10%, it is **64.5531, 59.6679, 102.7225**.

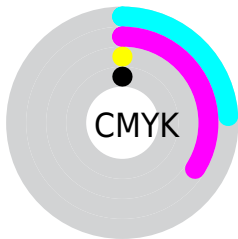
# Distribution



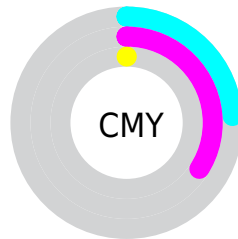
- Red (76%)
- Green (66%)
- Blue (100%)



- Red (76%)
- Yellow (66%)
- Blue (100%)



- Cyan (24%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)




- Cyan (24%)
- Magenta (34%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.5583, 46.8274, 100.7708 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 54.5583, 46.8274, 100.7708 by changing the saturation by 10% instead.





 54.5583, 46.8274,  
100.7708


 54.5583, 46.8274,  
100.7708


394.3991,  
374.1252, 583.9289

 39.2806, 32.8992,  
76.3240


 96.0456, 85.4559,  
164.2771

 27.1598, 22.0493,  
56.1899


 122.9859,  
110.9251, 204.1737

 17.8305, 13.8931,  
39.9502


154.5446,  
141.0100, 250.0573

 10.9273, 8.0464,  
27.1862

191.0868,  
176.0951, 302.3464

 6.0849, 4.1246,  
17.4795

232.9780,  
216.5648, 361.4595

 2.9379, 1.7435,  
10.4114

280.5836,

 1.1210, 0.4516,

262.8034, 427.8153

5.5634

334.2688,  
315.1954, 501.8323

■ 0.0426, 0.0000,  
2.5170

■ 0.0000, 0.0000,  
0.8491

■ 54.5583, 46.8274,  
100.7708

■ 54.5583, 46.8274,  
100.7708

■ 46.0247, 36.1124,  
99.1524

■ 64.5531, 59.6679,  
102.7225

■ 38.8751, 27.3996,  
97.8475

■ 76.0719, 74.7371,  
105.0240

■ 33.0316, 20.5610,  
96.8355

■ 89.1794, 92.1379,  
107.6919

■ 28.4061, 15.4512,  
96.0930

■ 95.0500, 100.0000,  
108.9000

■ 24.8980, 11.9020,  
95.5928

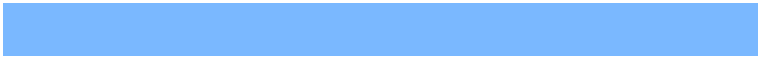
■ 22.3875, 9.7097,  
95.3020

■ 21.2860, 8.8882,  
95.2014

# Harmonies

## Analogous

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



45.8329, 46.8274, 114.2480



54.5583, 46.8274, 100.7708



61.1678, 46.8274, 74.1588

# Triad

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



54.5583, 46.8274, 100.7708



51.9968, 46.8274, 19.0698



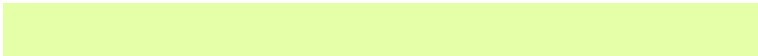
29.9780, 46.8274, 54.8374

# Complementary

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



54.5583, 46.8274, 100.7708



74.8235, 90.8415, 50.6383

# 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.



31.1864, 46.8274, 33.2277



54.5583, 46.8274, 100.7708



43.2089, 46.8274, 16.8542

# Square

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



54.5583, 46.8274, 100.7708



59.5604, 46.8274, 28.5721



35.7747, 46.8274, 21.0875



32.2329, 46.8274, 82.8306



# Rectangle

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



54.5583, 46.8274, 100.7708



63.0779, 46.8274, 55.6163



35.7747, 46.8274, 21.0875



29.9953, 46.8274, 46.6221

# Sweetspot

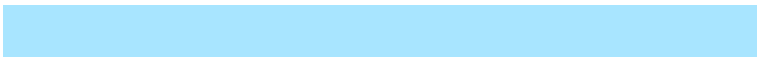
The Sweet Spot groups the original color and five complimentary colors.



54.5598, 46.8292, 100.7711



81.2713, 81.6116, 106.0769



62.1913, 71.5292, 105.1364



17.0089, 16.9562, 22.6264



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.



54.5598, 46.8292, 100.7711



48.5322, 39.2312, 99.6222



67.1794, 53.3348, 101.3617



17.5333, 17.6511, 22.7329



11.2562, 4.7133, 49.7511



1.2024, 0.5138, 4.8491



# Inverse Universe

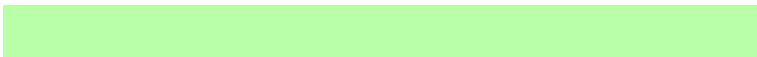
The Inverse Universe completely reimagines the original color for something new.



69.2471, 54.8682, 80.3405



65.4774, 48.5202, 75.4110



62.9332, 84.7118, 50.0818



18.5386, 18.1987, 21.4533



25.7066, 12.7719, 22.9029

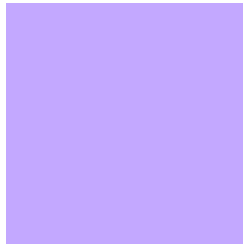


2.5521, 1.2632, 2.4888



# Previews

## White Background



This preview shows how the XYZ color 54.5583, 46.8274, 100.7708 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

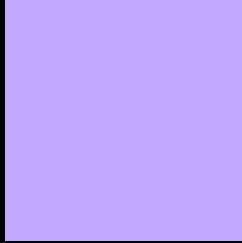
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.5583, 46.8274, 100.7708 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

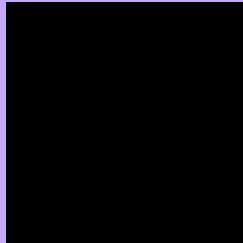
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 54.5583, 46.8274, 100.7708**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.5583, 46.8274, 100.7708.



This preview shows how white text looks on a background with the XYZ color 54.5583, 46.8274,

100.7708.

# 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

54.5583, 46.8274, 100.7708

### Protanopia

48.6693, 47.2334, 101.1596

### Deuteranopia

48.3490, 47.1053, 99.4725



## Tritanopia

45.8260, 46.7279, 57.6430

# Trichromacy



## Original Color

54.5583, 46.8274, 100.7708

## Protanomaly

50.5886, 47.0413, 101.0213

## Deuteranomaly

50.4280, 46.9771, 100.1756

## Tritanomaly

48.6590, 46.6999, 71.4151

# Monochromacy



## Original Color

54.5583, 46.8274, 100.7708

## Achromatopsia

46.6715, 49.1021, 53.4722

## Achromatomaly

48.8642, 47.7622, 68.2716

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.5583, 46.8274, 100.7708 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(195, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(195, 168, 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(195, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 168, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 54.5583, 46.8274, 100.7708 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(195, 168, 255) }
```



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

```
.border{ border-color:rgb(195, 168, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 168, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(195, 168,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.5583, 46.8274, 100.7708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 168, 255) }
```

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

```
.background{ background-color: rgb(195,  
168, 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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