

# Converting Colors

XYZ(54.3600, 42.9266, 99.8207)

Have a look what the booklet for  
XYZ(54.3600, 42.9266, 99.8207)  
contains.

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# Color

**XYZ(54.3431, 42.8398,  
100.0125)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CC99FF
RGB	204, 153, 255
RGB Percent	80%, 60%, 100%
CMY	0.2000, 0.4000, 0.0000
CMYK	0.20, 0.40, 0.00, 0.00
HSL	270°, 100%, 80%
HSV	270°, 40%, 100%
XYZ	54.3431, 42.8398, 100.0125
YIQ	179.8770, -2.3460, 42.5340

# Conversions

## Conversions Part 2

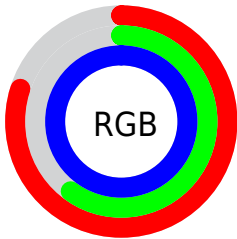
Format	Color
R <sub>Y</sub> B	204, 153, 255
Decimal	13408767
CIE Lab	71.45, 38.07, -43.65
CIE LCh	71, 57.914, 311.096
Yxy	42.8398, 0.2756, 0.2172
Android (android.graphics.Color)	4291598847 (0xFFCC99FF)
YUV	179.8770, 37.0356, 21.1559
Hunter-Lab	65.4521, 33.6624, -44.7801

# Details

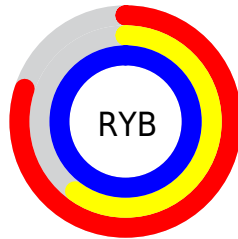
The XYZ color **54.3431, 42.8398, 100.0125** is a light color, and the websafe version is hex **CC99FF**, and the color name is **pale violet**. A complement of this color would be **66.4121, 86.6575, 43.3649**, and the grayscale version is **43.1264, 45.3723, 49.4105**.

A 20% lighter version of the original color is **81.8459, 73.5918, 104.4986**, and **27.0595, 19.6805, 55.7986** is the 20% darker color. If you saturate the color by 10%, you get **47.2542, 33.6384, 98.6100**, and if you desaturate by 10%, it is **62.6126, 53.9755, 101.7260**.

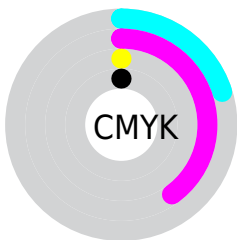
# Distribution



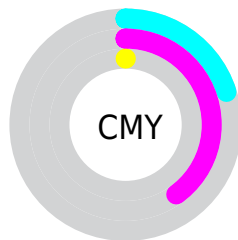
- Red (80%)
- Green (60%)
- Blue (100%)



- Red (80%)
- Yellow (60%)
- Blue (100%)



- Cyan (20%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)




- Cyan (20%)
- Magenta (40%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.3431, 42.8398, 100.0125 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 54.3431, 42.8398, 100.0125 by changing the saturation by 10% instead.





 54.3431, 42.8398,  
100.0125


 54.3431, 42.8398,  
100.0125


393.5940,  
357.9525, 581.4798

 39.1078, 29.7594,  
75.6940

 95.7318, 79.4691,  
163.2264

 27.0247, 19.6561,  
55.6765


 122.6158,  
103.7867, 202.9589

 17.7285, 12.1453,  
39.5414


154.1136,  
132.6190, 248.6665

 10.8537, 6.8427,  
26.8701

190.5903,  
166.3502, 300.7677

 6.0351, 3.3639,  
17.2441

232.4113,  
205.3648, 359.6811

 2.9073, 1.3245,  
10.2449

279.9420,

 1.1049, 0.1601,

250.0471, 425.8252

5.4539

333.5478,  
300.7815, 499.6186

■ 0.0292, 0.0000,  
2.4526

■ 0.0000, 0.0000,  
0.8149

■ 54.3431, 42.8398,  
100.0125

■ 54.3431, 42.8398,  
100.0125

■ 47.2542, 33.6384,  
98.6100

■ 62.6126, 53.9755,  
101.7260

■ 41.2776, 26.2481,  
97.4986

■ 72.1174, 67.1483,  
103.7677

■ 36.3436, 20.5390,  
96.6566

■ 82.9135, 82.4597,  
106.1540

■ 32.3716, 16.3607,  
96.0595

95.0500, 100.0000,  
108.9000

■ 29.2666, 13.5346,  
95.6777

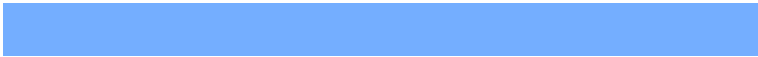
■ 26.8778, 11.7709,  
95.4631

■ 26.8775, 11.7707,  
95.4631

# Harmonies

## Analogous

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



44.4378, 42.8398, 121.7750



54.3431, 42.8398, 100.0125



61.1808, 42.8398, 66.3180

# Triad

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



54.3431, 42.8398, 100.0125



47.1067, 42.8398, 12.0336



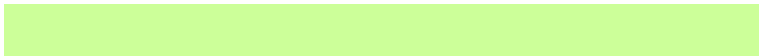
24.9373, 42.8398, 57.7734

# Complementary

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



54.3431, 42.8398, 100.0125



66.4121, 86.6575, 43.3649

# 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.



25.4174, 42.8398, 31.3073



54.3431, 42.8398, 100.0125



37.2117, 42.8398, 11.2820

# Square

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



54.3431, 42.8398, 100.0125



56.5636, 42.8398, 19.4829



29.5848, 42.8398, 16.7314



28.1480, 42.8398, 91.6502



# Rectangle

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



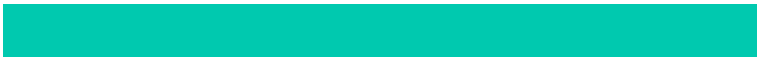
54.3431, 42.8398, 100.0125



62.5139, 42.8398, 45.6250



29.5848, 42.8398, 16.7314



24.6876, 42.8398, 47.6806

# Sweetspot

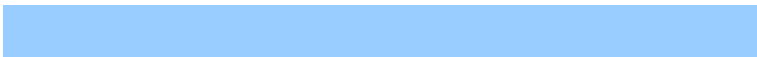
The Sweet Spot groups the original color and five complimentary colors.



54.3445, 42.8415, 100.0127



80.6468, 79.2194, 105.6481



52.7809, 57.1793, 102.8626



16.9513, 16.5138, 22.5440



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.



54.3445, 42.8415, 100.0127



48.5800, 35.3288, 98.8664



70.6818, 51.2637, 100.7773



17.8684, 17.8239, 22.7485



14.2162, 6.2392, 49.8896



1.5101, 0.6724, 4.8635



# Inverse Universe

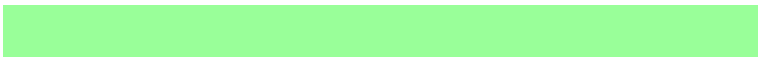
The Inverse Universe completely reimagines the original color for something new.



63.5310, 48.4034, 63.1216



59.2879, 41.8117, 55.8662



54.6477, 80.5927, 42.8143



18.3882, 18.1386, 20.6613



23.6428, 11.9464, 12.0353

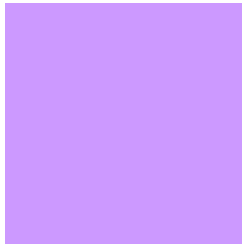


2.3571, 1.1852, 1.4621



# Previews

## White Background



This preview shows how the XYZ color 54.3431, 42.8398, 100.0125 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

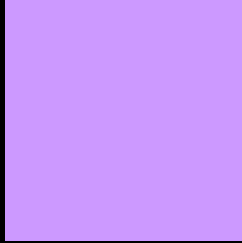
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.3431, 42.8398, 100.0125 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 54.3431, 42.8398, 100.0125**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.3431, 42.8398, 100.0125.



This preview shows how white text looks on a background with the XYZ color 54.3431, 42.8398,



# 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

54.3431, 42.8398, 100.0125

### Protanopia

45.0262, 43.3102, 100.5943

### Deuteranopia

44.4027, 43.3481, 97.2935



## Tritanopia

44.3697, 42.9598, 50.2095

# Trichromacy



## Original Color

54.3431, 42.8398, 100.0125



## Protanomaly

47.8347, 42.8173, 100.3511



## Deuteranomaly

47.1433, 42.5162, 97.8172



## Tritanomaly

47.3708, 42.5336, 66.0347

# Monochromacy



## Original Color

54.3431, 42.8398, 100.0125



## Achromatopsia

43.3819, 45.6411, 49.7032



## Achromatomaly

46.6235, 44.0733, 65.0812

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.3431, 42.8398, 100.0125 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(204, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 153, 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(204, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 153, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 54.3431, 42.8398, 100.0125 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(204, 153, 255) }
```



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

```
.border{ border-color:rgb(204, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 153,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.3431, 42.8398, 100.0125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 153, 255) }
```

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

```
.background{ background-color: rgb(204,  
153, 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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