

# Converting Colors

XYZ(54.8045, 43.0777,  
100.0341)

Have a look what the booklet for  
XYZ(54.8045, 43.0777, 100.0341)  
contains.

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# Color

**XYZ(54.8948, 43.1243,  
100.0383)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CE99FF
RGB	206, 153, 255
RGB Percent	81%, 60%, 100%
CMY	0.1921, 0.4000, 0.0000
CMYK	0.19, 0.40, 0.00, 0.00
HSL	271°, 100%, 80%
HSV	271°, 40%, 100%
XYZ	54.8948, 43.1243, 100.0383
YIQ	180.4750, -1.1540, 42.9580

# Conversions

## Conversions Part 2

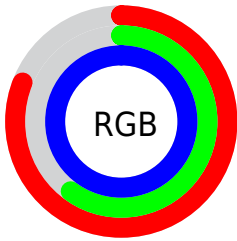
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 153, 255
Decimal	13539839
CIE Lab	71.64, 38.64, -43.33
CIE LCh	72, 58.052, 311.723
Yxy	43.1243, 0.2772, 0.2177
Android (android.graphics.Color)	4291729919 (0xFFCE99FF)
YUV	180.4750, 36.7408, 22.3854
Hunter-Lab	65.6691, 34.2927, -44.3522

# Details

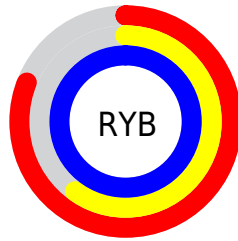
The XYZ color **54.8948, 43.1243, 100.0383** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **65.8677, 86.3768, 43.3396**, and the grayscale version is **43.4480, 45.7107, 49.7789**.

A 20% lighter version of the original color is **81.8459, 73.5918, 104.4986**, and **27.4244, 19.8686, 55.8157** is the 20% darker color. If you saturate the color by 10%, you get **47.8893, 33.9659, 98.6398**, and if you desaturate by 10%, it is **63.0599, 54.2062, 101.7470**.

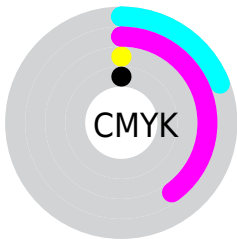
# Distribution



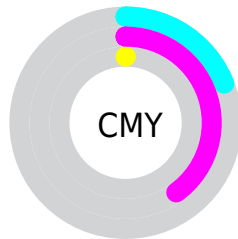
- Red (81%)
- Green (60%)
- Blue (100%)



- Red (81%)
- Yellow (60%)
- Blue (100%)



- Cyan (19%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)




- Cyan (19%)
- Magenta (40%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.8948, 43.1243, 100.0383 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 54.8948, 43.1243, 100.0383 by changing the saturation by 10% instead.





 54.8948, 43.1243,  
100.0383


 54.8948, 43.1243,  
100.0383

395.6559,  
359.1227, 581.5632

 39.5510, 29.9827,  
75.7155

 96.5360, 79.8984,  
163.2621

 27.3713, 19.8254,  
55.6940


 123.5642,  
104.2996, 203.0002

 17.9903, 12.2682,  
39.5553


155.2178,  
133.2229, 248.7138

 11.0427, 6.9266,  
26.8808

191.8623,  
167.0525, 300.8215

 6.1630, 3.4162,  
17.2521

233.8630,  
206.1729, 359.7417

 2.9861, 1.3527,  
10.2505

281.5853,

 1.1464, 0.1815,

250.9685, 425.8930

5.4576

335.3945,  
301.8236, 499.6940

■ 0.0634, 0.0000,  
2.4548

■ 0.0000, 0.0000,  
0.8161

■ 54.8948, 43.1243,  
100.0383

■ 54.8948, 43.1243,  
100.0383

■ 47.8893, 33.9659,  
98.6398

■ 63.0599, 54.2062,  
101.7470

■ 41.9759, 26.6082,  
97.5313

■ 72.4384, 67.3139,  
103.7827

■ 37.0858, 20.9216,  
96.6914

■ 83.0857, 82.5486,  
106.1621

■ 33.1392, 16.7564,  
96.0954

95.0500, 100.0000,  
108.9000

■ 30.0421, 13.9343,  
95.7139

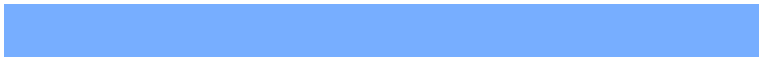
■ 27.6446, 12.1663,  
95.4990

■ 27.6443, 12.1660,  
95.4990

# Harmonies

## Analogous

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



44.9488, 43.1243, 122.3790



54.8948, 43.1243, 100.0383



61.6776, 43.1243, 66.0550

# Triad

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



54.8948, 43.1243, 100.0383



47.2050, 43.1243, 12.0336



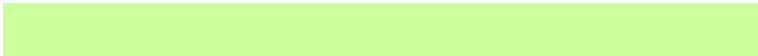
25.1301, 43.1243, 58.8313

# Complementary

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



54.8948, 43.1243, 100.0383



65.8677, 86.3768, 43.3396

# 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.



25.5359, 43.1243, 31.9452



54.8948, 43.1243, 100.0383



37.2676, 43.1243, 11.3989

# Square

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



54.8948, 43.1243, 100.0383



56.7721, 43.1243, 19.3618



29.6544, 43.1243, 17.0374



28.4401, 43.1243, 92.9670



# Rectangle

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



54.8948, 43.1243, 100.0383



62.9266, 43.1243, 45.3469



29.6544, 43.1243, 17.0374



24.8528, 43.1243, 48.6007

# Sweetspot

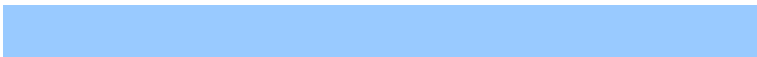
The Sweet Spot groups the original color and five complimentary colors.



54.8962, 43.1260, 100.0385



80.8505, 79.3244, 105.6576



52.3791, 56.3757, 102.7287



16.9992, 16.5385, 22.5462



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.



54.8962, 43.1260, 100.0385



49.2000, 35.6484, 98.8954



70.4094, 51.1548, 99.3422



17.9035, 17.8420, 22.7502



14.6183, 6.4465, 49.9084



1.5495, 0.6927, 4.8653



# Inverse Universe

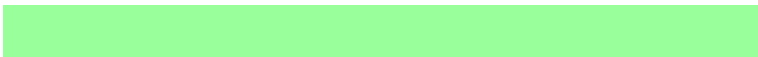
The Inverse Universe completely reimagines the original color for something new.



63.2928, 48.3082, 61.8667



59.0209, 41.7049, 54.4601



54.7892, 80.6493, 43.5594



18.3728, 18.1324, 20.5805



23.4751, 11.8793, 11.1520

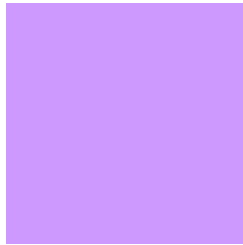


2.3405, 1.1786, 1.3747



# Previews

## White Background



This preview shows how the XYZ color 54.8948, 43.1243, 100.0383 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

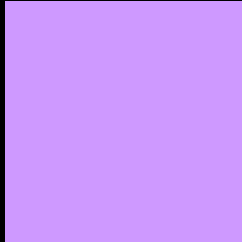
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.8948, 43.1243, 100.0383 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

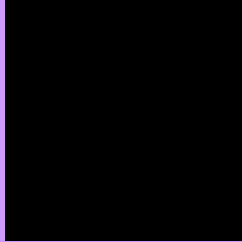
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 54.8948, 43.1243, 100.0383**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.8948, 43.1243, 100.0383.



This preview shows how white text looks on a background with the XYZ color 54.8948, 43.1243,

100.0383.

# 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

54.8948, 43.1243, 100.0383

### Protanopia

45.2063, 43.4030, 100.6027

### Deuteranopia

44.5813, 43.4402, 97.3019



## Tritanopia

44.8796, 43.2227, 50.2334

# Trichromacy



## Original Color

54.8948, 43.1243, 100.0383



## Protanomaly

48.0484, 42.9275, 100.3611



## Deuteranomaly

47.3554, 42.6255, 97.8271

## Tritanomaly

47.8945, 42.8036, 66.0592

# Monochromacy



## Original Color

54.8948, 43.1243, 100.0383



## 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 54.8948, 43.1243, 100.0383 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(206, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 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(206, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 153, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 54.8948, 43.1243, 100.0383 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(206, 153, 255) }
```



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

```
.border{ border-color:rgb(206, 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(206, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 153, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 153, 255); box-shadow:4px 4px 4px 4px rgb(206, 153, 255) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.8948, 43.1243, 100.0383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 153, 255) }
```

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

```
.background{ background-color: rgb(206,  
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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