

# Converting Colors

XYZ(57.0749, 43.0379, 99.9067)

Have a look what the booklet for  
XYZ(57.0749, 43.0379, 99.9067)  
contains.

<b>XYZ(56.9588, 42.9987, 99.9053)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(56.9588, 42.9987,  
99.9053)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D894FF
RGB	216, 148, 255
RGB Percent	85%, 58%, 100%
CMY	0.1529, 0.4196, 0.0000
CMYK	0.15, 0.42, 0.00, 0.00
HSL	278°, 100%, 79%
HSV	278°, 42%, 100%
XYZ	56.9588, 42.9987, 99.9053
YIQ	180.5300, 6.1810, 47.6930

# Conversions

## Conversions Part 2

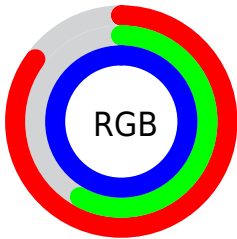
Format	Color
R <sub>Y</sub> B	216, 148, 255
Decimal	14193919
CIE Lab	71.55, 44.16, -43.39
CIE LCh	72, 61.907, 315.502
Yxy	42.9987, 0.2850, 0.2151
Android (android.graphics.Color)	4292383999 (0xFFD894FF)
YUV	180.5300, 36.7137, 31.1072
Hunter-Lab	65.5734, 40.2964, -44.4308

# Details

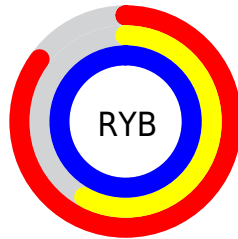
The XYZ color **56.9588, 42.9987, 99.9053** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **61.5996, 84.2233, 41.0288**, and the grayscale version is **43.4749, 45.7389, 49.8097**.

A 20% lighter version of the original color is **80.6459, 71.1919, 104.0986**, and **28.6740, 19.8139, 55.7393** is the 20% darker color. If you saturate the color by 10%, you get **50.7223, 34.4866, 98.5910**, and if you desaturate by 10%, it is **64.2343, 53.3561, 101.5210**.

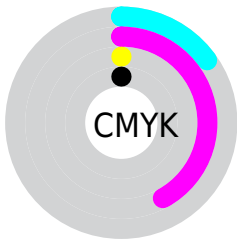
# Distribution



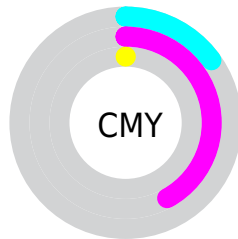
- Red (85%)
- Green (58%)
- Blue (100%)



- Red (85%)
- Yellow (58%)
- Blue (100%)



- Cyan (15%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (42%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.9588, 42.9987, 99.9053 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 56.9588, 42.9987, 99.9053 by changing the saturation by 10% instead.





 56.9588, 42.9987,  
99.9053

 56.9588, 42.9987,  
99.9053


403.3116,  
358.6064, 581.1331

 41.2122, 29.8841,  
75.6050

 99.5368, 79.7089,  
163.0778

 28.6733, 19.7506,  
55.6040

 127.0988,  
104.0733, 202.7870

 18.9769, 12.2139,  
39.4836

159.3301,  
132.9564, 248.4697

 11.7575, 6.8895,  
26.8254

196.5959,  
166.7426, 300.5443

 6.6498, 3.3931,  
17.2109

239.2616,  
205.8163, 359.4294

 3.2884, 1.3402,  
10.2214

287.6925,

 1.3081, 0.1720,

250.5619, 425.5436

5.4385

342.2541,  
301.3638, 499.3053

■ 0.1892, 0.0000,  
2.4436

■ 0.0000, 0.0000,  
0.8100

■ 56.9588, 42.9987,  
99.9053

■ 56.9588, 42.9987,  
99.9053

■ 50.7223, 34.4866,  
98.5910

■ 64.2343, 53.3561,  
101.5210

■ 45.4596, 27.6965,  
97.5577

■ 72.6004, 65.6614,  
103.4552

■ 41.1040, 22.4975,  
96.7838

■ 82.1097, 80.0152,  
105.7246

■ 37.5773, 18.7373,  
96.2439

■ 92.8102, 96.5101,  
108.3444

■ 34.7856, 16.2322,  
95.9075

95.0500, 100.0000,  
108.9000

■ 32.9622, 14.9075,  
95.7479

# Harmonies

## Analogous

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



46.4837, 42.9987, 127.1475



56.9588, 42.9987, 99.9053



63.5973, 42.9987, 62.7692

# Triad

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



56.9588, 42.9987, 99.9053



46.1136, 42.9987, 10.2630



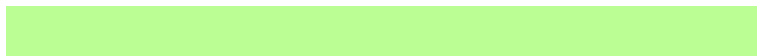
24.3903, 42.9987, 63.9627

# Complementary

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



56.9588, 42.9987, 99.9053



61.5996, 84.2233, 41.0288

# 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.



24.3257, 42.9987, 33.8282



56.9588, 42.9987, 99.9053



35.7256, 42.9987, 10.3583

# Square

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



56.9588, 42.9987, 99.9053



56.6483, 42.9987, 16.5792



28.1363, 42.9987, 16.9392



28.3311, 42.9987, 101.0935



# Rectangle

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



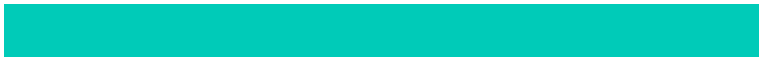
56.9588, 42.9987, 99.9053



64.3357, 42.9987, 41.5096



28.1363, 42.9987, 16.9392



23.9402, 42.9987, 52.5613

# Sweetspot

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



56.9602, 43.0004, 99.9055



81.0652, 78.4229, 105.4723



48.0839, 49.1571, 101.5617



16.8863, 16.0793, 22.4636



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.



56.9602, 43.0004, 99.9055



51.8656, 36.0150, 98.8257



67.6680, 48.7761, 88.8591



18.1131, 17.9500, 22.7600



17.3931, 7.8770, 50.0383



1.8135, 0.8288, 4.8777



# Inverse Universe

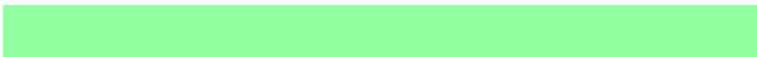
The Inverse Universe completely reimagines the original color for something new.



60.8004, 46.0290, 52.6946



56.5312, 39.6231, 44.6980



54.5191, 80.4345, 46.9605



18.2830, 18.0965, 20.1074



22.6450, 11.5473, 6.7812

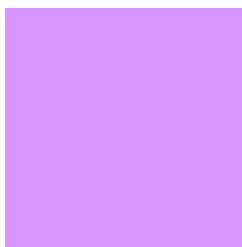


2.2552, 1.1444, 0.9251



# Previews

## White Background



This preview shows how the XYZ color 56.9588, 42.9987, 99.9053 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

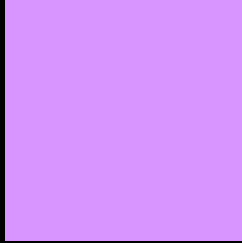
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.9588, 42.9987, 99.9053 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

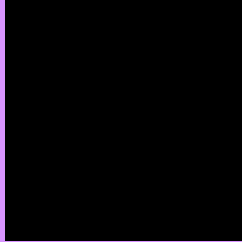
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 56.9588, 42.9987, 99.9053**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.9588, 42.9987, 99.9053.



This preview shows how white text looks on a background with the XYZ color 56.9588, 42.9987,



# 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

56.9588, 42.9987, 99.9053

### Protanopia

45.2063, 43.4030, 100.6027

### Deuteranopia

44.6041, 43.4701, 96.4822



## Tritanopia

46.3929, 42.9620, 47.9668

# Trichromacy



## Original Color

56.9588, 42.9987, 99.9053



## Protanomaly

48.5590, 42.6552, 100.2817



## Deuteranomaly

48.2594, 42.8228, 97.8175



## Tritanomaly

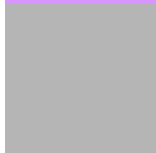
49.5511, 42.6624, 64.0156

# Monochromacy



## Original Color

56.9588, 42.9987, 99.9053



## Achromatopsia

43.9204, 46.2077, 50.3202



## Achromatomaly

47.8213, 44.3993, 65.7240

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.9588, 42.9987, 99.9053 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(216, 148, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 148, 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(216, 148, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 148, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 56.9588, 42.9987, 99.9053 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(216, 148, 255) }
```



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

```
.border{ border-color:rgb(216, 148, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 148, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 148, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 148, 255); box-shadow:4px 4px 4px 4px rgb(216, 148, 255) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.9588, 42.9987, 99.9053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 148, 255) }
```

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

```
.background{ background-color: rgb(216,  
148, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor