

# Converting Colors

XYZ(56.5686, 44.7254,  
100.2591)

Have a look what the booklet for  
XYZ(56.5686, 44.7254, 100.2591)  
contains.

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# Color

**XYZ(56.5168, 44.6986,  
100.2567)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D29CFF
RGB	210, 156, 255
RGB Percent	82%, 61%, 100%
CMY	0.1765, 0.3882, 0.0000
CMYK	0.18, 0.39, 0.00, 0.00
HSL	273°, 100%, 81%
HSV	273°, 39%, 100%
XYZ	56.5168, 44.6986, 100.2567
YIQ	183.4320, 0.4050, 42.2370

# Conversions

## Conversions Part 2

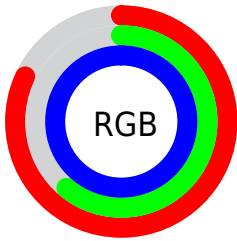
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	210, 156, 255
Decimal	13802751
CIE Lab	72.69, 38.15, -41.65
CIE LCh	73, 56.487, 312.490
Yxy	44.6986, 0.2805, 0.2219
Android (android.graphics.Color)	4291992831 (0xFFD29CFF)
YUV	183.4320, 35.2830, 23.3001
Hunter-Lab	66.8570, 33.8931, -42.1095

# Details

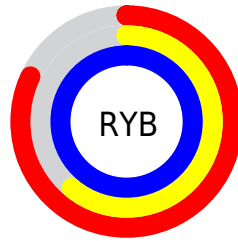
The XYZ color **56.5168, 44.6986, 100.2567** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **65.8490, 86.3382, 44.6487**, and the grayscale version is **45.0603, 47.4070, 51.6262**.

A 20% lighter version of the original color is **82.5843, 75.0685, 104.7448**, and **28.4698, 20.8479, 55.9496** is the 20% darker color. If you saturate the color by 10%, you get **49.4972, 35.3815, 98.8283**, and if you desaturate by 10%, it is **64.6764, 55.9386, 101.9962**.

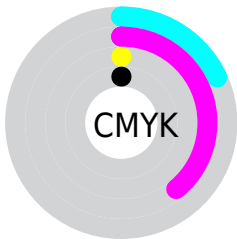
# Distribution



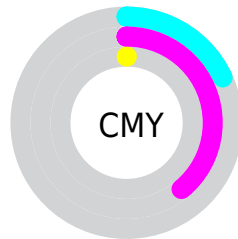
- Red (82%)
- Green (61%)
- Blue (100%)



- Red (82%)
- Yellow (61%)
- Blue (100%)



- Cyan (18%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)




- Cyan (18%)
- Magenta (39%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.5168, 44.6986, 100.2567 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 56.5168, 44.6986, 100.2567 by changing the saturation by 10% instead.




 56.5168, 44.6986,  
100.2567

 56.5168, 44.6986,  
100.2567


401.6797,  
365.5515, 582.2691

 40.8560, 31.2201,  
75.8969


 98.8952, 82.2679,  
163.5649

 28.3938, 20.7665,  
55.8418

 126.3436,  
107.1276, 203.3502

 18.7647, 12.9534,  
39.6729

158.4519,  
136.5497, 249.1146

 11.6034, 7.3965,  
26.9718

195.5855,  
170.9187, 301.2764

 6.5445, 3.7113,  
17.3198

238.1097,  
210.6190, 360.2542

 3.2227, 1.5134,  
10.2984

286.3899,

 1.2726, 0.2981,

256.0350, 426.4665

5.4891

340.7915,  
307.5510, 500.3320

■ 0.1626, 0.0000,  
2.4733

■ 0.0000, 0.0000,  
0.8259

■ 56.5168, 44.6986,  
100.2567

■ 56.5168, 44.6986,  
100.2567

■ 49.4972, 35.3815,  
98.8283

■ 64.6764, 55.9386,  
101.9962

■ 43.5517, 27.8662,  
97.6910

■ 74.0282, 69.2023,  
104.0634

■ 38.6134, 22.0256,  
96.8240

■ 84.6264, 84.5895,  
106.4749

■ 34.6049, 17.7129,  
96.2028

95.0500, 100.0000,  
108.9000

■ 31.4353, 14.7547,  
95.7989

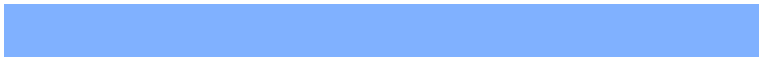
■ 28.9751, 12.9005,  
95.5706

■ 28.7129, 12.7169,  
95.5490

# Harmonies

## Analogous

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



46.6889, 44.6986, 122.6007



56.5168, 44.6986, 100.2567



63.0938, 44.6986, 66.7670

# Triad

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



56.5168, 44.6986, 100.2567



48.4065, 44.6986, 13.2259



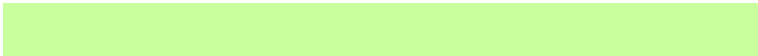
26.6231, 44.6986, 61.2898

# Complementary

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



56.5168, 44.6986, 100.2567



65.8490, 86.3382, 44.6487

# 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.



26.9369, 44.6986, 34.1784



56.5168, 44.6986, 100.2567



38.5407, 44.6986, 12.7195

# Square

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



56.5168, 44.6986, 100.2567



57.9395, 44.6986, 20.5727



30.9916, 44.6986, 18.7479



30.0560, 44.6986, 94.9449



# Rectangle

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



56.5168, 44.6986, 100.2567



64.2131, 44.6986, 46.3636



30.9916, 44.6986, 18.7479



26.3109, 44.6986, 51.0499

# Sweetspot

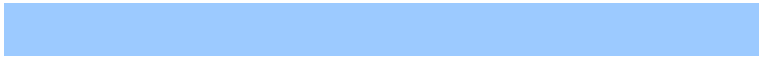
The Sweet Spot groups the original color and five complimentary colors.



56.5182, 44.7004, 100.2569



81.1200, 79.4634, 105.6702



52.9292, 56.6244, 102.7477



17.0626, 16.5712, 22.5492



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.



56.5182, 44.7004, 100.2569



50.6944, 36.9414, 99.0663



70.6524, 52.0476, 98.1689



17.9500, 17.8659, 22.7524



15.1776, 6.7348, 49.9346



1.6038, 0.7207, 4.8679



# Inverse Universe

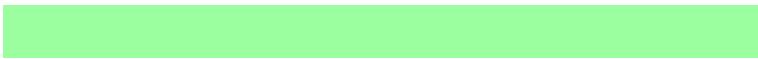
The Inverse Universe completely reimagines the original color for something new.



63.6720, 49.2555, 61.4108



59.1784, 42.3312, 53.5532



55.7556, 81.1021, 45.6551



18.3527, 18.1244, 20.4744



23.2663, 11.7958, 10.0526

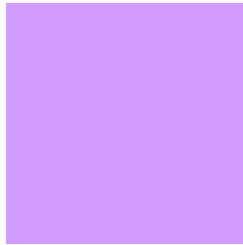


2.3196, 1.1702, 1.2645



# Previews

## White Background



This preview shows how the XYZ color 56.5168, 44.6986, 100.2567 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

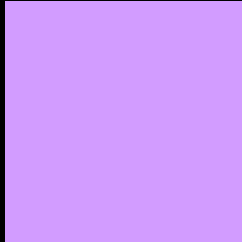
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.5168, 44.6986, 100.2567 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

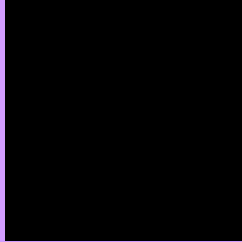
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 56.5168, 44.6986, 100.2567

## Background



This preview shows how black text looks on a background with the XYZ color 56.5168, 44.6986, 100.2567.



This preview shows how white text looks on a background with the XYZ color 56.5168, 44.6986,



# 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

56.5168, 44.6986, 100.2567

### Protanopia

46.7122, 45.0430, 100.8399

### Deuteranopia

46.2716, 45.1816, 97.5489



## Tritanopia

46.5033, 44.5923, 51.5036

# Trichromacy



## Original Color

56.5168, 44.6986, 100.2567



## Protanomaly

49.6935, 44.5946, 100.5962



## Deuteranomaly

49.2142, 44.4029, 98.0722



## Tritanomaly

49.6262, 44.4821, 66.9431

# Monochromacy



## Original Color

56.5168, 44.6986, 100.2567



## Achromatopsia

45.0092, 47.3531, 51.5676



## Achromatomaly

48.4445, 45.8280, 66.6140

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.5168, 44.6986, 100.2567 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(210, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 156, 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(210, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 156, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 56.5168, 44.6986, 100.2567 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(210, 156, 255) }
```



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

```
.border{ border-color:rgb(210, 156, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 156, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 156, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 156, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 156,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.5168, 44.6986, 100.2567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 156, 255) }
```

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

```
.background{ background-color: rgb(210,  
156, 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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