

# Converting Colors

XYZ(59.7125, 50.4546,  
115.3629)

Have a look what the booklet for  
XYZ(59.7125, 50.4546, 115.3629)  
contains.

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# Color

**XYZ(57.0810, 49.5246,  
101.1585)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9ADFF
RGB	201, 173, 255
RGB Percent	79%, 68%, 100%
CMY	0.2118, 0.3216, 0.0000
CMYK	0.21, 0.32, 0.00, 0.00
HSL	260°, 100%, 84%
HSV	260°, 32%, 100%
XYZ	57.0810, 49.5246, 101.1585
YIQ	190.7200, -9.6340, 31.4380

# Conversions

## Conversions Part 2

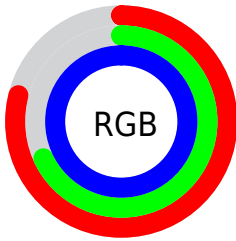
Format	Color
R <sub>Y</sub> B	201, 173, 255
Decimal	13217279
CIE Lab	75.78, 26.26, -36.92
CIE LCh	76, 45.304, 305.422
Yxy	49.5246, 0.2747, 0.2384
Android (android.graphics.Color)	4291407359 (0xFFC9ADFF)
YUV	190.7200, 31.6900, 9.0156
Hunter-Lab	70.3737, 21.6296, -35.9646

# Details

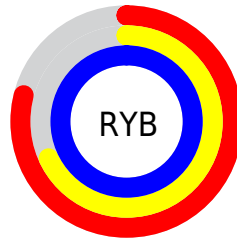
The XYZ color **57.0810, 49.5246, 101.1585** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **74.9820, 90.8683, 53.1245**, and the grayscale version is **49.1869, 51.7485, 56.3541**.

A 20% lighter version of the original color is **87.3093, 84.5186, 106.3198**, and **28.7636, 23.6212, 56.4694** is the 20% darker color. If you saturate the color by 10%, you get **48.3799, 38.4608, 99.4815**, and if you desaturate by 10%, it is **67.2118, 62.7128, 103.1701**.

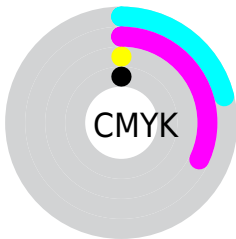
# Distribution



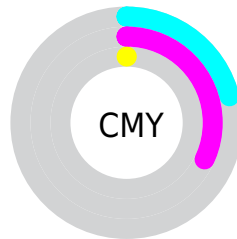
- Red (79%)
- Green (68%)
- Blue (100%)



- Red (79%)
- Yellow (68%)
- Blue (100%)



- Cyan (21%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (32%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.0810, 49.5246, 101.1585 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 57.0810, 49.5246, 101.1585 by changing the saturation by 10% instead.



■ 57.0810, 49.5246,  
101.1585

■ 57.0810, 49.5246,  
101.1585

403.7620,  
384.8039, 585.1790

■ 41.3107, 35.0358,  
76.6461

■ 99.7140, 89.4701,  
164.8141

■ 28.7507, 23.6905,  
56.4527

127.3075,  
115.6956, 204.7943

■ 19.0356, 15.1042,  
40.1595

159.5726,  
146.6021, 250.7677

■ 11.8002, 8.8925,  
27.3482

196.8749,  
182.5741, 303.1526

■ 6.6790, 4.6711,  
17.6002

239.5796,  
223.9958, 362.3676

■ 3.3067, 2.0556,  
10.4969

288.0521,

■ 1.3180, 0.6395,

271.2518, 428.8313

5.6197

342.6578,  
324.7264, 502.9623

■ 0.1966, 0.0000,  
2.5502

■ 0.0000, 0.0000,  
0.8666

■ 57.0810, 49.5246,  
101.1585

■ 57.0810, 49.5246,  
101.1585

■ 48.3799, 38.4608,  
99.4815

■ 67.2118, 62.7128,  
103.1701

■ 41.0348, 29.4011,  
98.1199

■ 78.8318, 78.1255,  
105.5326

■ 34.9721, 22.2215,  
97.0537

■ 92.0025, 95.8632,  
108.2621

■ 30.1084, 16.7816,  
96.2600

95.0500, 100.0000,  
108.9000

■ 26.3493, 12.9202,  
95.7128

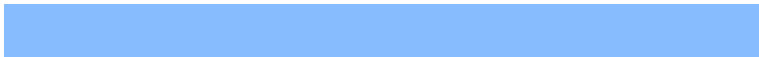
■ 23.5832, 10.4439,  
95.3806

■ 21.9875, 9.2498,  
95.2343

# Harmonies

## Analogous

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



48.6164, 49.5246, 114.4242



57.0810, 49.5246, 101.1585



63.3636, 49.5246, 75.5736

# Triad

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



57.0810, 49.5246, 101.1585



54.1238, 49.5246, 21.8187



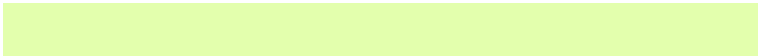
32.7374, 49.5246, 58.4197

# Complementary

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



57.0810, 49.5246, 101.1585



74.9820, 90.8683, 53.1245

# 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.



33.8431, 49.5246, 36.8624



57.0810, 49.5246, 101.1585



45.5600, 49.5246, 19.7083

# Square

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



57.0810, 49.5246, 101.1585



61.5188, 49.5246, 31.2874



38.3066, 49.5246, 24.3015



35.0843, 49.5246, 85.4697



# Rectangle

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



57.0810, 49.5246, 101.1585



65.1028, 49.5246, 57.7059



38.3066, 49.5246, 24.3015



32.7211, 49.5246, 50.3108

# Sweetspot

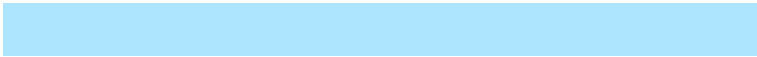
The Sweet Spot groups the original color and five complimentary colors.



57.0825, 49.5265, 101.1587



81.5375, 81.7488, 106.0894



62.9366, 71.4089, 105.0739



17.0730, 16.9893, 22.6294



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.



57.0825, 49.5265, 101.1587



50.9759, 41.7302, 99.9758



69.3840, 55.8682, 101.7344



17.5877, 17.6792, 22.7354



11.6318, 4.9069, 49.7686



1.2441, 0.5353, 4.8510



# Inverse Universe

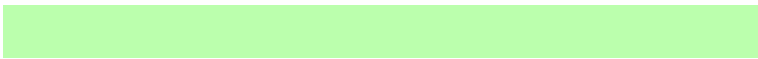
The Inverse Universe completely reimagines the original color for something new.



70.0495, 56.6947, 79.9247



66.1097, 50.1088, 74.6227



63.7160, 85.0605, 52.5972



18.5136, 18.1888, 21.3219



25.3111, 12.6137, 20.8203

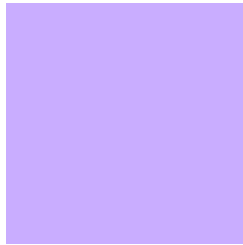


2.5157, 1.2487, 2.2972



# Previews

## White Background



This preview shows how the XYZ color 57.0810, 49.5246, 101.1585 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

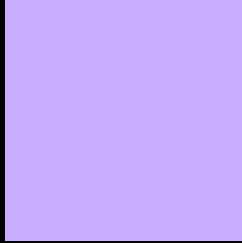
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.0810, 49.5246, 101.1585 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

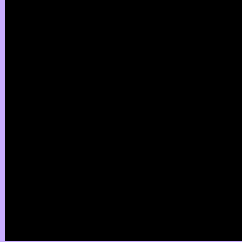
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 57.0810, 49.5246, 101.1585

## Background



This preview shows how black text looks on a background with the XYZ color 57.0810, 49.5246, 101.1585.



This preview shows how white text looks on a background with the XYZ color 57.0810, 49.5246,



# 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

57.0810, 49.5246, 101.1585

### Protanopia

50.9164, 49.6080, 101.4995

### Deuteranopia

51.0186, 49.6977, 99.8321



## Tritanopia

48.9352, 49.4809, 61.0044

# Trichromacy



## Original Color

57.0810, 49.5246, 101.1585

## Protanomaly

52.9617, 49.4462, 101.3604

## Deuteranomaly

53.0330, 49.5016, 100.5255

## Tritanomaly

51.6131, 49.3591, 73.8248

# Monochromacy



## Original Color

57.0810, 49.5246, 101.1585

## Achromatopsia

49.5206, 52.0996, 56.7364

## Achromatomaly

51.7838, 50.7381, 70.6825

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.0810, 49.5246, 101.1585 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(201, 173, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 173, 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(201, 173, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 173, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 57.0810, 49.5246, 101.1585 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(201, 173, 255) }
```



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

```
.border{ border-color:rgb(201, 173, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 173, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 173, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 173, 255);  
box-shadow:4px 4px 4px 4px rgb(201, 173,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.0810, 49.5246, 101.1585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 173, 255) }
```

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

```
.background{ background-color: rgb(201,  
173, 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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