

# Converting Colors

XYZ(76.9120, 57.5717,  
207.8259)

Have a look what the booklet for  
XYZ(76.9120, 57.5717, 207.8259)  
contains.

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# **Color**

**XYZ(56.7392, 49.6342,  
101.1976)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7AEFF
RGB	199, 174, 255
RGB Percent	78%, 68%, 100%
CMY	0.2196, 0.3176, 0.0000
CMYK	0.22, 0.32, 0.00, 0.00
HSL	259°, 100%, 84%
HSV	259°, 32%, 100%
XYZ	56.7392, 49.6342, 101.1976
YIQ	190.7090, -11.1010, 30.4910

# Conversions

## Conversions Part 2

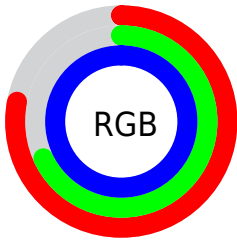
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">199, 174, 255</a>
Decimal	<a href="#">13086463</a>
CIELab	<a href="#">75.84, 25.12, -36.83</a>
CIELCh	<a href="#">76, 44.580, 304.301</a>
Yxy	<a href="#">49.6342, 0.2733, 0.2391</a>
Android (android.graphics.Color)	<a href="#">4291276543 (0xFFC7AEFF)</a>
YUV	<a href="#">190.7090, 31.6955, 7.2712</a>
Hunter-Lab	<a href="#">70.4515, 20.4674, -35.8489</a>

# Details

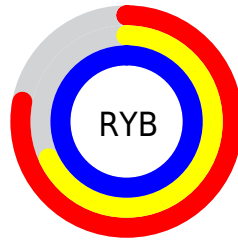
The XYZ color **56.7392, 49.6342, 101.1976** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **76.0339, 91.3994, 53.6809**, and the grayscale version is **49.1811, 51.7424, 56.3475**.

A 20% lighter version of the original color is **87.5868, 85.0736, 106.4123**, and **28.5320, 23.6813, 56.4932** is the 20% darker color. If you saturate the color by 10%, you get **47.8628, 38.4272, 99.5023**, and if you desaturate by 10%, it is **67.0957, 62.9946, 103.2306**.

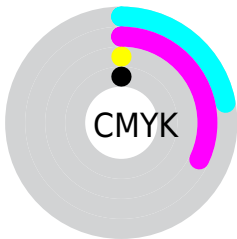
# Distribution



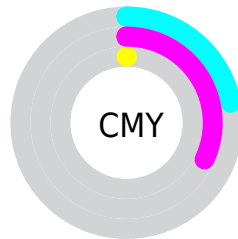
- Red (78%)
- Green (68%)
- Blue (100%)



- Red (78%)
- Yellow (68%)
- Blue (100%)



- Cyan (22%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (32%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.7392, 49.6342, 101.1976 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 56.7392, 49.6342, 101.1976 by changing the saturation by 10% instead.



■ 56.7392, 49.6342,  
101.1976

■ 56.7392, 49.6342,  
101.1976

402.5013,  
385.2337, 585.3049

■ 41.0352, 35.1228,  
76.6786

■ 99.2181, 89.6327,  
164.8682

■ 28.5344, 23.7575,  
56.4792

126.7237,  
115.8885, 204.8569

■ 18.8714, 15.1538,  
40.1807

158.8939,  
146.8280, 250.8393

■ 11.6808, 8.9274,  
27.3646

196.0941,  
182.8355, 303.2338

■ 6.5974, 4.6939,  
17.6124

238.6896,  
224.2955, 362.4592

■ 3.2557, 2.0688,  
10.5055

287.0457,

■ 1.2904, 0.6470,

271.5922, 428.9337

5.6254

341.5278,  
325.1102, 503.0762

■ 0.1760, 0.0000,  
2.5536

■ 0.0000, 0.0000,  
0.8684

■ 56.7392, 49.6342,  
101.1976

■ 56.7392, 49.6342,  
101.1976

■ 47.8628, 38.4272,  
99.5023

■ 67.0957, 62.9946,  
103.2306

■ 40.3904, 29.2522,  
98.1252

■ 78.9941, 78.6094,  
105.6174

■ 34.2457, 21.9843,  
97.0462

■ 92.4981, 96.5801,  
108.3744

■ 29.3427, 16.4821,  
96.2426

■ 95.0500, 100.0000,  
108.9000

■ 25.5841, 12.5837,  
95.6882

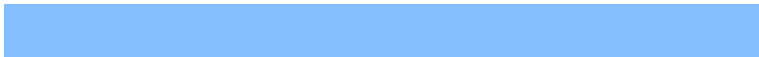
■ 22.8552, 10.0954,  
95.3517

■ 21.2498, 8.8696,  
95.1998

# Harmonies

## Analogous

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



48.3812, 49.6342, 113.5314



56.7392, 49.6342, 101.1976



63.0433, 49.6342, 76.3509

# Triad

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



56.7392, 49.6342, 101.1976



54.4300, 49.6342, 22.4657



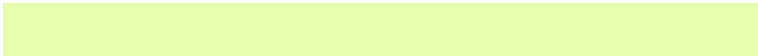
33.0011, 49.6342, 57.5390

# Complementary

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



56.7392, 49.6342, 101.1976



76.0339, 91.3994, 53.6809

# 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.



34.2228, 49.6342, 36.5682



56.7392, 49.6342, 101.1976



45.9906, 49.6342, 20.1100

# Square

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



56.7392, 49.6342, 101.1976



61.6043, 49.6342, 32.1862



38.7524, 49.6342, 24.4268



35.1969, 49.6342, 84.0618



# Rectangle

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



56.7392, 49.6342, 101.1976



64.8778, 49.6342, 58.7036



38.7524, 49.6342, 24.4268



33.0278, 49.6342, 49.6362

# Sweetspot

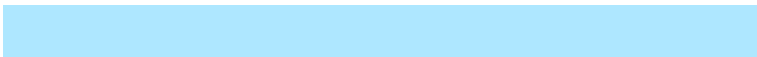
The Sweet Spot groups the original color and five complimentary colors.



56.7407, 49.6361, 101.1979



81.2567, 81.6041, 106.0762



63.9988, 73.2038, 105.3644



17.0054, 16.9544, 22.6262



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.



56.7407, 49.6361, 101.1979



51.0348, 42.4002, 100.1020



68.7162, 55.8097, 101.7584



17.5303, 17.6496, 22.7327



11.2368, 4.7033, 49.7502



1.2003, 0.5127, 4.8490



# Inverse Universe

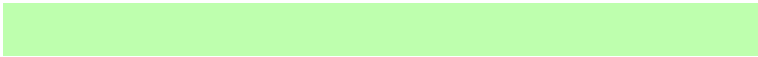
The Inverse Universe completely reimagines the original color for something new.



70.6599, 57.2469, 82.1894



67.0872, 51.1892, 77.6450



64.6864, 85.5495, 53.1498



18.5399, 18.1993, 21.4605



25.7289, 12.7808, 23.0205

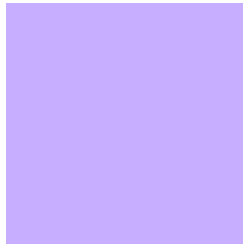


2.5541, 1.2640, 2.4995



# Previews

## White Background



This preview shows how the XYZ color 56.7392, 49.6342, 101.1976 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

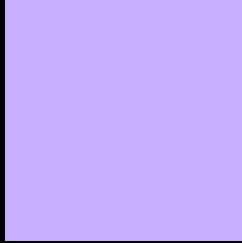
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.7392, 49.6342, 101.1976 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 56.7392, 49.6342, 101.1976**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.7392, 49.6342, 101.1976.



This preview shows how white text looks on a background with the XYZ color 56.7392, 49.6342,



# 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

56.7392, 49.6342, 101.1976

### Protanopia

51.1248, 50.0249, 101.5689

### Deuteranopia

51.0186, 49.6977, 99.8321



## Tritanopia

48.7606, 49.6869, 61.6641

# Trichromacy



## Original Color

56.7392, 49.6342, 101.1976

## Protanomaly

52.9340, 49.7327, 101.4172

## Deuteranomaly

52.8011, 49.3820, 100.5147

## Tritanomaly

51.4345, 49.5525, 74.5638

# Monochromacy



## Original Color

56.7392, 49.6342, 101.1976

## Achromatopsia

49.5206, 52.0996, 56.7364

## Achromatomaly

51.7347, 51.0223, 70.7399

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.7392, 49.6342, 101.1976 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(199, 174, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 174, 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(199, 174, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 174, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 56.7392, 49.6342, 101.1976 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(199, 174, 255) }
```



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

```
.border{ border-color:rgb(199, 174, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 174, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 174, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 174, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 174,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.7392, 49.6342, 101.1976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 174, 255) }
```

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

```
.background{ background-color: rgb(199,  
174, 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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