

Converting Colors

XYZ(49.1782, 36.6960, 99.0988)

Have a look what the booklet for
XYZ(49.1782, 36.6960, 99.0988)
contains.

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Color

**XYZ(49.1308, 36.7344,
99.1087)**

Conversions

Conversions Part 1

Format	Color
Hex	C18AFF
RGB	193, 138, 255
RGB Percent	76%, 54%, 100%
CMY	0.2431, 0.4588, 0.0000
CMYK	0.24, 0.46, 0.00, 0.00
HSL	268°, 100%, 77%
HSV	268°, 46%, 100%
XYZ	49.1308, 36.7344, 99.1087
YIQ	167.7830, -4.7770, 48.0470

Conversions

Conversions Part 2

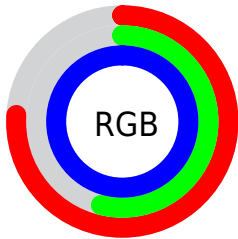
Format	Color
R _Y B	193, 138, 255
Decimal	12684031
CIE Lab	67.08, 43.18, -50.59
CIE LCh	67, 66.514, 310.484
Yxy	36.7344, 0.2656, 0.1986
Android (android.graphics.Color)	4290874111 (0xFFC18AFF)
YUV	167.7830, 42.9980, 22.1153
Hunter-Lab	60.6089, 38.6301, -54.5258

Details

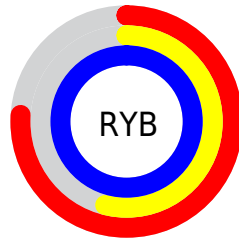
The XYZ color **49.1308, 36.7344, 99.1087** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **64.1672, 85.6345, 37.1932**, and the grayscale version is **36.9120, 38.8343, 42.2905**.

A 20% lighter version of the original color is **76.6833, 65.4285, 103.1951**, and **23.8374, 16.0512, 55.2679** is the 20% darker color. If you saturate the color by 10%, you get **42.6039, 28.5620, 97.8753**, and if you desaturate by 10%, it is **56.8337, 46.7892, 100.6435**.

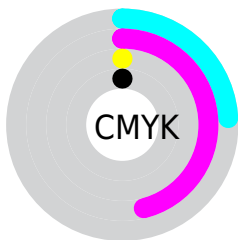
Distribution



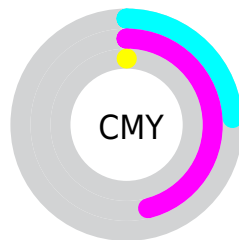
- Red (76%)
- Green (54%)
- Blue (100%)



- Red (76%)
- Yellow (54%)
- Blue (100%)



- Cyan (24%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (46%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1308, 36.7344, 99.1087 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 49.1308, 36.7344, 99.1087 by changing the saturation by 10% instead.

49.1308, 36.7344,
99.1087

49.1308, 36.7344,
99.1087

373.7654,
332.1592, 578.5535

34.9382, 25.0019,
74.9437

88.0852, 70.1641,
161.9730

23.7816, 16.0785,
55.0653

113.5778, 92.6301,
201.5093

15.2955, 9.5797,
39.0550

143.5677,
119.4427, 247.0064

9.1147, 5.1212,
26.4944

178.4204,
150.9864, 298.8829

4.8738, 2.3185,
16.9648

218.5012,
187.6455, 357.5574

2.2074, 0.7835,
10.0477

264.1753,

0.7466, 0.0000,

229.8044, 423.4482

5.3246

315.8083,
277.8475, 496.9741

■ 0.0000, 0.0000,
2.3769

■ 0.0000, 0.0000,
0.7738

■ 49.1308, 36.7344,
99.1087

■ 49.1308, 36.7344,
99.1087

■ 42.6039, 28.5620,
97.8753

■ 56.8337, 46.7892,
100.6435

■ 37.1797, 22.1416,
96.9219

■ 65.7721, 58.8367,
102.4978

■ 32.7819, 17.3319,
96.2253

■ 76.0052, 72.9831,
104.6890

■ 29.3206, 13.9669,
95.7583

■ 87.5876, 89.3260,
107.2330

■ 26.6859, 11.8413,
95.4868

95.0500, 100.0000,
108.9000

■ 25.7784, 11.2041,
95.4117

Harmonies

Analogous

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



38.5760, 36.7344, 123.6136



49.1308, 36.7344, 99.1087



56.6510, 36.7344, 61.6495

Triad

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



49.1308, 36.7344, 99.1087



41.8264, 36.7344, 7.1117



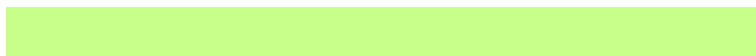
19.0653, 36.7344, 51.0168

Complementary

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



49.1308, 36.7344, 99.1087



64.1672, 85.6345, 37.1932

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.



19.6000, 36.7344, 24.1211



49.1308, 36.7344, 99.1087



31.4932, 36.7344, 6.4174

Square

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



49.1308, 36.7344, 99.1087



51.9021, 36.7344, 13.6323



23.7456, 36.7344, 10.8233



22.1091, 36.7344, 88.1750

Rectangle

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



49.1308, 36.7344, 99.1087



58.2075, 36.7344, 39.5291



23.7456, 36.7344, 10.8233



18.8496, 36.7344, 40.4696

Sweetspot

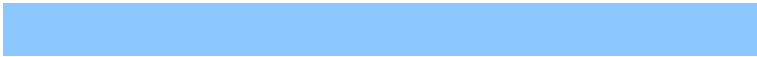
The Sweet Spot groups the original color and five complimentary colors.



49.1321, 36.7358, 99.1089



78.0793, 75.8867, 105.1401



49.2792, 54.1184, 102.4563



16.2038, 15.5314, 22.3938



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.



49.1321, 36.7358, 99.1089



43.1336, 29.2098, 97.9724



66.9587, 45.9258, 99.9432



17.8150, 17.7964, 22.7460



13.6388, 5.9416, 49.8626



1.4528, 0.6429, 4.8608

Inverse Universe

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



60.7543, 43.6081, 59.8589



56.5351, 37.1416, 52.3727



51.4864, 79.0973, 36.5997



18.4116, 18.1480, 20.7849



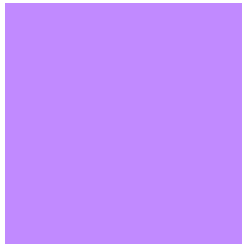
23.9146, 12.0552, 13.4669



2.3837, 1.1959, 1.6021

Previews

White Background



This preview shows how the XYZ color 49.1308, 36.7344, 99.1087 looks on a white background.

Color Contrast Check

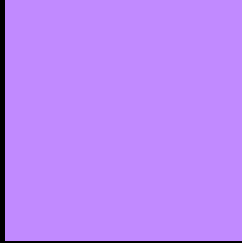
Large Text (above 18pt) WCAG AA × Fail

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 49.1308, 36.7344, 99.1087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

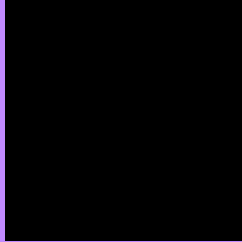
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1308, 36.7344, 99.1087

Background



This preview shows how black text looks on a background with the XYZ color 49.1308, 36.7344, 99.1087.



This preview shows how white text looks on a background with the XYZ color 49.1308, 36.7344,

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

49.1308, 36.7344, 99.1087

Protanopia

39.5229, 36.9508, 99.6569

Deuteranopia

38.2377, 37.1615, 95.6000



Tritanopia

37.8427, 36.8210, 43.1428

Trichromacy



Original Color

49.1308, 36.7344, 99.1087

Protanomaly

42.2271, 36.3519, 99.3987

Deuteranomaly

41.1589, 36.3425, 96.9410

Tritanomaly

41.1377, 36.4175, 60.1194

Monochromacy



Original Color

49.1308, 36.7344, 99.1087

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

40.6138, 37.6312, 59.7665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1308, 36.7344, 99.1087 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(193, 138, 255)` looks like.

```
.text, #text, p{  
    color:rgb(193, 138, 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(193, 138, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 138, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.1308, 36.7344, 99.1087 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(193, 138, 255) }
```


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

```
.border{ border-color:rgb(193, 138, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 138, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 138, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 138, 255);  
box-shadow:4px 4px 4px 4px rgb(193, 138,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1308, 36.7344, 99.1087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 138, 255) }
```

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

```
.background{ background-color: rgb(193,  
138, 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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