

Converting Colors

XYZ(54.8546, 40.7494,
125.9306)

Have a look what the booklet for
XYZ(54.8546, 40.7494, 125.9306)
contains.

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Color

**XYZ(49.6613, 38.5472,
99.4307)**

Conversions

Conversions Part 1

Format	Color
Hex	BF91FF
RGB	191, 145, 255
RGB Percent	75%, 57%, 100%
CMY	0.2510, 0.4314, 0.0000
CMYK	0.25, 0.43, 0.00, 0.00
HSL	265°, 100%, 78%
HSV	265°, 43%, 100%
XYZ	49.6613, 38.5472, 99.4307
YIQ	171.2940, -7.8940, 43.9620

Conversions

Conversions Part 2

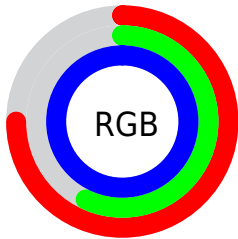
Format	Color
R_{YB}	191, 145, 255
Decimal	12554751
CIE _{Lab}	68.42, 38.83, -48.48
CIE _{LCh}	68, 62.112, 308.689
Y _{xy}	38.5472, 0.2647, 0.2054
Android (android.graphics.Color)	4290744831 (0xFFBF91FF)
YUV	171.2940, 41.2671, 17.2822
Hunter-Lab	62.0864, 34.1264, -51.4918

Details

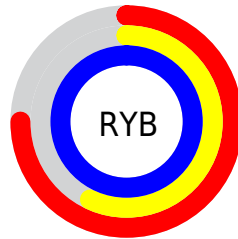
The XYZ color **49.6613, 38.5472, 99.4307** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **67.1657, 87.1198, 40.0653**, and the grayscale version is **38.6595, 40.6728, 44.2927**.

A 20% lighter version of the original color is **77.7712, 68.6683, 103.7631**, and **24.0991, 17.0568, 55.4482** is the 20% darker color. If you saturate the color by 10%, you get **42.6492, 29.7834, 98.1087**, and if you desaturate by 10%, it is **57.9283, 49.2574, 101.0622**.

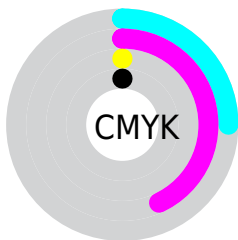
Distribution



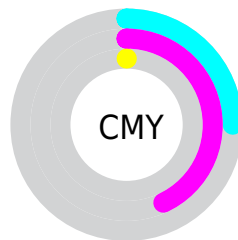
- Red (75%)
- Green (57%)
- Blue (100%)



- Red (75%)
- Yellow (57%)
- Blue (100%)



- Cyan (25%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6613, 38.5472, 99.4307 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 49.6613, 38.5472, 99.4307 by changing the saturation by 10% instead.


 49.6613, 38.5472,
99.4307


 49.6613, 38.5472,
99.4307


375.8139,
339.9615, 579.5970

 35.3610, 26.4077,
75.2109


 88.8677, 72.9461,
162.4197

 24.1089, 17.1289,
55.2829


 114.5045, 95.9742,
202.0259

 15.5396, 10.3264,
39.2282


144.6509,
123.4007, 247.5982

 9.2877, 5.6159,
26.6281

179.6722,
155.6098, 299.5548

 4.9880, 2.6130,
17.0641

219.9338,
192.9861, 358.3145

 2.2749, 0.9332,
10.1178

265.8011,

 0.7818, 0.0000,

235.9139, 424.2957

5.3705

317.6393,
284.7776, 497.9170

■ 0.0000, 0.0000,
2.4037

■ 0.0000, 0.0000,
0.7885

■ 49.6613, 38.5472,
99.4307

■ 49.6613, 38.5472,
99.4307

■ 42.6492, 29.7834,
98.1087

■ 57.9283, 49.2574,
101.0622

■ 36.8178, 22.8375,
97.0753

■ 67.5108, 62.0227,
103.0211

■ 32.0899, 17.5719,
96.3081

■ 78.4697, 76.9486,
105.3245

■ 28.3765, 13.8261,
95.7808

■ 90.8609, 94.1319,
107.9881

■ 25.5707, 11.4063,
95.4617

95.0500, 100.0000,
108.9000

■ 24.0701, 10.3235,
95.3317

Harmonies

Analogous

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



39.5460, 38.5472, 120.6404



49.6613, 38.5472, 99.4307



57.0430, 38.5472, 64.6833

Triad

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



49.6613, 38.5472, 99.4307



43.8880, 38.5472, 9.1775



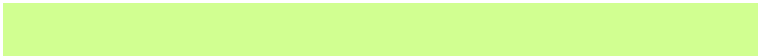
21.0454, 38.5472, 50.6233

Complementary

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



49.6613, 38.5472, 99.4307



67.1657, 87.1198, 40.0653

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.



21.7917, 38.5472, 25.3160



49.6613, 38.5472, 99.4307



33.8761, 38.5472, 8.1120

Square

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



49.6613, 38.5472, 99.4307



53.3196, 38.5472, 16.5470



26.1172, 38.5472, 12.4502



23.8584, 38.5472, 85.3138

Rectangle

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



49.6613, 38.5472, 99.4307



58.7770, 38.5472, 43.2125



26.1172, 38.5472, 12.4502



20.9003, 38.5472, 40.7542

Sweetspot

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



49.6626, 38.5487, 99.4309



78.6283, 77.1667, 105.3582



52.5694, 58.9235, 103.2104



16.2851, 15.7694, 22.4354



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.



49.6626, 38.5487, 99.4309



43.3850, 30.6850, 98.2439



66.1236, 47.0346, 100.2012



17.7228, 17.7488, 22.7417



12.7380, 5.4772, 49.8204



1.3614, 0.5957, 4.8565

Inverse Universe

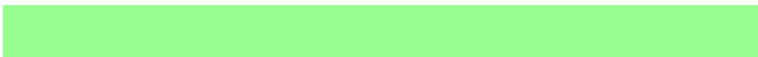
The Inverse Universe completely reimagines the original color for something new.



62.8746, 46.1153, 65.9091



58.6213, 39.4265, 58.8872



54.2299, 80.4512, 39.4599



18.4526, 18.1644, 21.0005



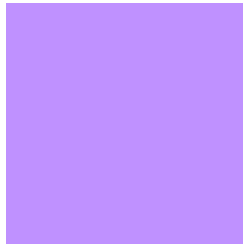
24.4330, 12.2625, 16.1963



2.4335, 1.2158, 1.8641

Previews

White Background



This preview shows how the XYZ color 49.6613, 38.5472, 99.4307 looks on a white background.

Color Contrast Check

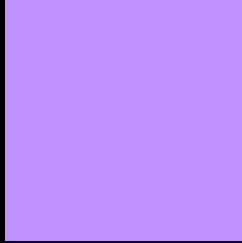
Large Text (above 18pt) WCAG AA × Fail

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 49.6613, 38.5472, 99.4307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

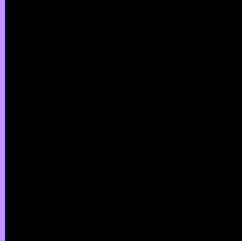
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6613, 38.5472, 99.4307

Background



This preview shows how black text looks on a background with the XYZ color 49.6613, 38.5472, 99.4307.



This preview shows how white text looks on a background with the XYZ color 49.6613, 38.5472,

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

49.6613, 38.5472, 99.4307

Protanopia

41.1570, 38.8393, 99.9353

Deuteranopia

39.9509, 38.8267, 96.6554



Tritanopia

38.9665, 38.6366, 45.9613

Trichromacy



Original Color

49.6613, 38.5472, 99.4307

Protanomaly

43.6245, 38.3025, 99.7016

Deuteranomaly

42.5600, 38.0613, 97.1989

Tritanomaly

42.0790, 38.0817, 62.2594

Monochromacy



Original Color

49.6613, 38.5472, 99.4307

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

41.9411, 39.5699, 61.3043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6613, 38.5472, 99.4307 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(191, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 145, 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(191, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 145, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.6613, 38.5472, 99.4307 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(191, 145, 255) }
```


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

```
.border{ border-color:rgb(191, 145, 255) }
```

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

Here you see how a box with a 4 pixel rgb(191, 145, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 145,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6613, 38.5472, 99.4307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 145, 255) }
```

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

```
.background{ background-color: rgb(191,  
145, 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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