

Converting Colors

XYZ(44.2664, 34.4432, 98.9228)

Have a look what the booklet for
XYZ(44.2664, 34.4432, 98.9228)
contains.

XYZ(44.2959, 34.4559, 98.9237)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(44.2959, 34.4559,
98.9237)**

Conversions

Conversions Part 1

Format	Color
Hex	AC8BFF
RGB	172, 139, 255
RGB Percent	67%, 55%, 100%
CMY	0.3255, 0.4549, 0.0000
CMYK	0.33, 0.45, 0.00, 0.00
HSL	257°, 100%, 77%
HSV	257°, 45%, 100%
XYZ	44.2959, 34.4559, 98.9237
YIQ	162.0910, -17.5680, 43.0720

Conversions

Conversions Part 2

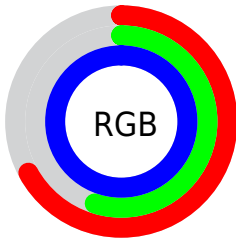
Format	Color
R_{YB}	172, 139, 255
Decimal	11308031
CIE _{Lab}	65.32, 37.13, -53.49
CIE _{LCh}	65, 65.115, 304.761
Yxy	34.4559, 0.2493, 0.1939
Android (android.graphics.Color)	4289498111 (0xFFAC8BFF)
YUV	162.0910, 45.8041, 8.6902
Hunter-Lab	58.6991, 31.9772, -58.8300

Details

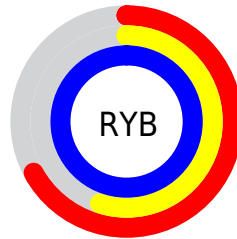
The XYZ color **44.2959, 34.4559, 98.9237** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **70.5443, 88.9136, 37.8711**, and the grayscale version is **34.1845, 35.9648, 39.1657**.

A 20% lighter version of the original color is **69.7531, 62.1829, 102.9339**, and **20.8852, 14.7697, 55.1761** is the 20% darker color. If you saturate the color by 10%, you get **37.2919, 25.9891, 97.6586**, and if you desaturate by 10%, it is **52.7131, 44.9305, 100.5019**.

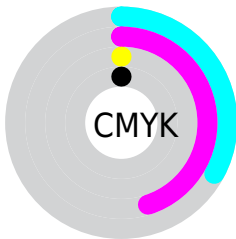
Distribution



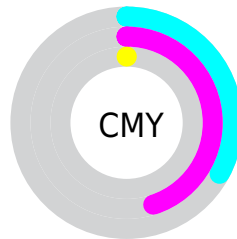
- Red (67%)
- Green (55%)
- Blue (100%)



- Red (67%)
- Yellow (55%)
- Blue (100%)



- Cyan (33%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.2959, 34.4559, 98.9237 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 44.2959, 34.4559, 98.9237 by changing the saturation by 10% instead.


 44.2959, 34.4559,
98.9237


 44.2959, 34.4559,
98.9237


354.7463,
322.1601, 577.9536


 31.1021, 23.2441,
74.7901

 80.9064, 66.6420,
161.7163

 20.8288, 14.7738,
54.9403

 105.0538, 88.3851,
201.2123

 13.1107, 8.6608,
38.9556


 133.5832,
114.4073, 246.6663

 7.5823, 4.5206,
26.4176

166.8598,
145.0931, 298.4967

 3.8784, 1.9688,
16.9078

205.2491,
180.8269, 357.1221

 1.6336, 0.5893,
10.0075

249.1163,

 0.4141, 0.0000,

221.9931, 422.9610

5.2983

298.8270,
268.9760, 496.4320

■ 0.0000, 0.0000,
2.3615

■ 0.0000, 0.0000,
0.7654

■ 44.2959, 34.4559,
98.9237

■ 44.2959, 34.4559,
98.9237

■ 37.2919, 25.9891,
97.6586

■ 52.7131, 44.9305,
100.5019

■ 31.6144, 19.3935,
96.6848

■ 62.6157, 57.5298,
102.4119

■ 27.1723, 14.5207,
95.9784

■ 74.0752, 72.3659,
104.6716

■ 23.8597, 11.1972,
95.5115

■ 87.1571, 89.5420,
107.2974

■ 21.5498, 9.2106,
95.2498

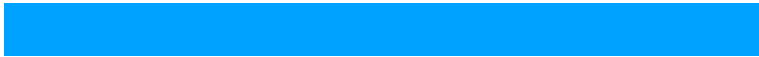
95.0500, 100.0000,
108.9000

■ 20.7635, 8.6188,
95.1770

Harmonies

Analogous

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



34.2875, 34.4559, 117.4300



44.2959, 34.4559, 98.9237



52.1869, 34.4559, 64.5085

Triad

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



44.2959, 34.4559, 98.9237



41.1640, 34.4559, 7.3173



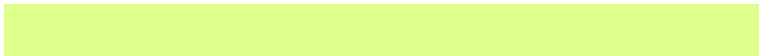
17.7208, 34.4559, 42.0240

Complementary

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



44.2959, 34.4559, 98.9237



70.5443, 88.9136, 37.8711

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.



18.8595, 34.4559, 19.3514



44.2959, 34.4559, 98.9237



31.2578, 34.4559, 5.8161

Square

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



44.2959, 34.4559, 98.9237



50.1475, 34.4559, 14.9100



23.4069, 34.4559, 8.8754



19.9275, 34.4559, 75.9046

Rectangle

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



44.2959, 34.4559, 98.9237



54.4930, 34.4559, 42.4948



23.4069, 34.4559, 8.8754



17.7296, 34.4559, 32.9433

Sweetspot

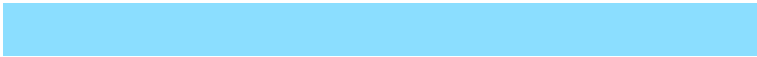
The Sweet Spot groups the original color and five complimentary colors.



44.2971, 34.4571, 98.9239



75.9189, 74.7729, 105.0390



54.8548, 65.0230, 104.2673



15.6805, 15.2616, 22.3693



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.



44.2971, 34.4571, 98.9239



37.6029, 26.3586, 97.7136



59.8736, 42.4871, 99.6529



17.4883, 17.6279, 22.7307



10.9750, 4.5683, 49.7379



1.1703, 0.4972, 4.8476

Inverse Universe

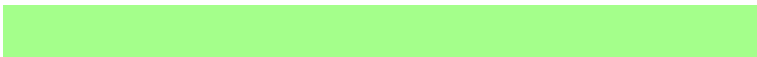
The Inverse Universe completely reimagines the original color for something new.



63.6577, 44.9999, 74.4372



59.6207, 38.3759, 68.6216



55.7582, 81.2911, 37.1792



18.5594, 18.2071, 21.5627



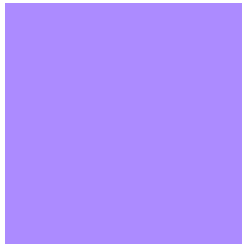
26.0526, 12.9103, 24.7254



2.5837, 1.2758, 2.6551

Previews

White Background



This preview shows how the XYZ color 44.2959, 34.4559, 98.9237 looks on a white background.

Color Contrast Check

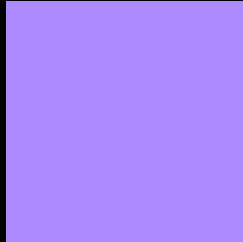
Large Text (above 18pt) WCAG AA × Fail

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 44.2959, 34.4559, 98.9237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

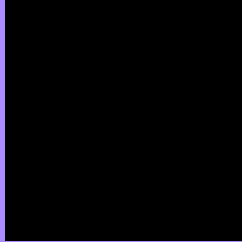
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.2959, 34.4559, 98.9237

Background



This preview shows how black text looks on a background with the XYZ color 44.2959, 34.4559, 98.9237.



This preview shows how white text looks on a background with the XYZ color 44.2959, 34.4559,

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

44.2959, 34.4559, 98.9237

Protanopia

37.3791, 34.5846, 99.3132

Deuteranopia

35.8741, 34.8871, 96.1099



Tritanopia

33.0951, 34.3626, 43.4164

Trichromacy



Original Color

44.2959, 34.4559, 98.9237

Protanomaly

39.2787, 34.1182, 99.1230

Deuteranomaly

38.1590, 34.3100, 96.7068

Tritanomaly

36.4252, 33.9746, 60.5150

Monochromacy



Original Color

44.2959, 34.4559, 98.9237

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

37.2453, 35.2037, 57.0565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.2959, 34.4559, 98.9237 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(172, 139, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 139, 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(172, 139, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 139, 255) }
```

Border

The CSS property to change the border of an element to XYZ 44.2959, 34.4559, 98.9237 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(172, 139, 255) }
```


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

```
.border{ border-color:rgb(172, 139, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 139, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 139, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 139, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 139,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 44.2959, 34.4559, 98.9237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 139, 255) }
```

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

```
.background{ background-color: rgb(172,  
139, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor