

Converting Colors

XYZ(49.4172, 36.7300,
128.1956)

Have a look what the booklet for
XYZ(49.4172, 36.7300, 128.1956)
contains.

XYZ(43.7903, 34.4112, 98.9418)	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(43.7903, 34.4112,
98.9418)**

Conversions

Conversions Part 1

Format	Color
Hex	A98CFF
RGB	169, 140, 255
RGB Percent	66%, 55%, 100%
CMY	0.3372, 0.4510, 0.0000
CMYK	0.34, 0.45, 0.00, 0.00
HSL	255°, 100%, 77%
HSV	255°, 45%, 100%
XYZ	43.7903, 34.4112, 98.9418
YIQ	161.7810, -19.6310, 41.9130

Conversions

Conversions Part 2

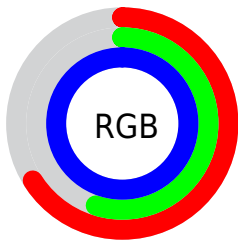
Format	Color
R _Y B	169, 140, 255
Decimal	11111679
CIE Lab	65.29, 35.80, -53.57
CIE LCh	65, 64.427, 303.753
Yxy	34.4112, 0.2472, 0.1943
Android (android.graphics.Color)	4289301759 (0xFFA98CFF)
YUV	161.7810, 45.9570, 6.3311
Hunter-Lab	58.6611, 30.5928, -58.9399

Details

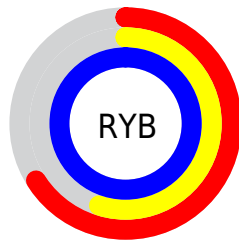
The XYZ color **43.7903, 34.4112, 98.9418** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **71.8575, 89.5821, 38.3158**, and the grayscale version is **34.0399, 35.8127, 39.0000**.

A 20% lighter version of the original color is **69.0203, 62.1345, 102.9631**, and **20.5755, 14.7327, 55.1853** is the 20% darker color. If you saturate the color by 10%, you get **36.6899, 25.8462, 97.6628**, and if you desaturate by 10%, it is **52.3530, 45.0126, 100.5367**.

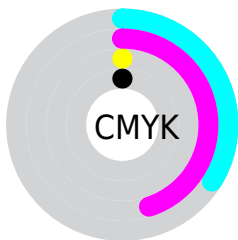
Distribution



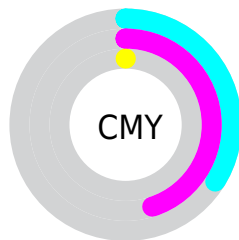
- Red (66%)
- Green (55%)
- Blue (100%)



- Red (66%)
- Yellow (55%)
- Blue (100%)



- Cyan (34%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (34%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.7903, 34.4112, 98.9418 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 43.7903, 34.4112, 98.9418 by changing the saturation by 10% instead.


 43.7903, 34.4112,
98.9418

 43.7903, 34.4112,
98.9418


352.7185,
321.9617, 578.0123


 30.7029, 23.2097,
74.8051


 80.1504, 66.5726,
161.7414

 20.5234, 14.7484,
54.9525


 104.1538, 88.3013,
201.2414

 12.8866, 8.6430,
38.9653


 132.5266,
114.3078, 246.6996

 7.4269, 4.5091,
26.4251

165.6341,
144.9765, 298.5345

 3.7792, 1.9622,
16.9134

203.8417,
180.6919, 357.1647

 1.5780, 0.5854,
10.0114

247.5147,

 0.3780, 0.0000,

221.8383, 423.0087

5.3008

297.0186,
268.8001, 496.4851

■ 0.0000, 0.0000,
2.3630

■ 0.0000, 0.0000,
0.7662

■ 43.7903, 34.4112,
98.9418

■ 43.7903, 34.4112,
98.9418

■ 36.6899, 25.8462,
97.6628

■ 52.3530, 45.0126,
100.5367

■ 30.9619, 19.1798,
96.6779

■ 62.4533, 57.7687,
102.4666

■ 26.5117, 14.2624,
95.9633

■ 74.1652, 72.7927,
104.7492

■ 23.2298, 10.9194,
95.4910

■ 87.5571, 90.1889,
107.4012

■ 20.9854, 8.9376,
95.2268

95.0500, 100.0000,
108.9000

■ 20.1845, 8.3204,
95.1499

Harmonies

Analogous

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



33.9020, 34.4112, 116.2960



43.7903, 34.4112, 98.9418



51.7041, 34.4112, 65.2795

Triad

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



43.7903, 34.4112, 98.9418



41.3522, 34.4112, 7.6056



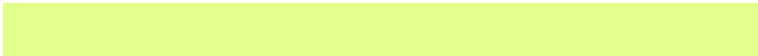
17.8047, 34.4112, 40.9529

Complementary

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



43.7903, 34.4112, 98.9418



71.8575, 89.5821, 38.3158

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.



19.0469, 34.4112, 18.9475



43.7903, 34.4112, 98.9418



31.5400, 34.4112, 5.9423

Square

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



43.7903, 34.4112, 98.9418



50.1180, 34.4112, 15.4671



23.6716, 34.4112, 8.8346



19.8824, 34.4112, 74.1342

Rectangle

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



43.7903, 34.4112, 98.9418



54.1198, 34.4112, 43.3765



23.6716, 34.4112, 8.8346



17.8503, 34.4112, 32.1219

Sweetspot

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



43.7915, 34.4124, 98.9419



75.5510, 74.5833, 105.0218



56.1303, 67.3248, 104.6444



15.5917, 15.2158, 22.3651



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.



43.7915, 34.4124, 98.9419



37.4002, 26.6906, 97.7883



58.8712, 42.1863, 99.6477



17.4322, 17.5990, 22.7281



10.6614, 4.4066, 49.7232



1.1333, 0.4782, 4.8458

Inverse Universe

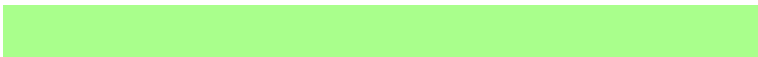
The Inverse Universe completely reimagines the original color for something new.



64.3458, 45.5079, 77.3432



60.5908, 39.2344, 72.2797



56.8029, 81.8211, 37.6112



18.5854, 18.2175, 21.7000



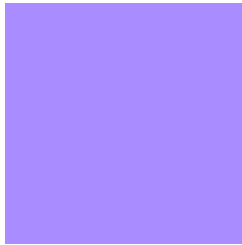
26.5081, 13.0925, 27.1240



2.6249, 1.2923, 2.8721

Previews

White Background



This preview shows how the XYZ color 43.7903, 34.4112, 98.9418 looks on a white background.

Color Contrast Check

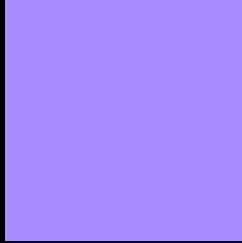
Large Text (above 18pt) WCAG AA × Fail

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 43.7903, 34.4112, 98.9418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

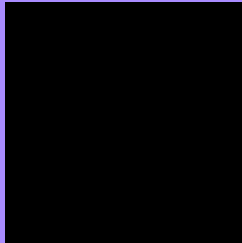
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 43.7903, 34.4112, 98.9418

Background



This preview shows how black text looks on a background with the XYZ color 43.7903, 34.4112, 98.9418.



This preview shows how white text looks on a background with the XYZ color 43.7903, 34.4112,

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

43.7903, 34.4112, 98.9418

Protanopia

37.3791, 34.5846, 99.3132

Deuteranopia

35.8741, 34.8871, 96.1099



Tritanopia

32.6070, 34.3541, 43.9422

Trichromacy



Original Color

43.7903, 34.4112, 98.9418

Protanomaly

39.2729, 34.3511, 99.1683

Deuteranomaly

38.0048, 34.2306, 96.6996

Tritanomaly

35.9895, 33.9898, 60.5410

Monochromacy



Original Color

43.7903, 34.4112, 98.9418

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

37.0365, 35.0961, 57.0467

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.7903, 34.4112, 98.9418 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(169, 140, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 140, 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(169, 140, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 140, 255) }
```

Border

The CSS property to change the border of an element to XYZ 43.7903, 34.4112, 98.9418 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(169, 140, 255) }
```


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

```
.border{ border-color:rgb(169, 140, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 140, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 140, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 140, 255);  
box-shadow:4px 4px 4px 4px rgb(169, 140,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 43.7903, 34.4112, 98.9418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 140, 255) }
```

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

```
.background{ background-color: rgb(169,  
140, 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