

Converting Colors

XYZ(47.6600, 35.0726,
117.7056)

Have a look what the booklet for
XYZ(47.6600, 35.0726, 117.7056)
contains.

XYZ(44.0877, 33.7126, 98.7912)	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(44.0877, 33.7126,
98.7912)**

Conversions

Conversions Part 1

Format	Color
Hex	AD88FF
RGB	173, 136, 255
RGB Percent	68%, 53%, 100%
CMY	0.3216, 0.4667, 0.0000
CMYK	0.32, 0.47, 0.00, 0.00
HSL	259°, 100%, 77%
HSV	259°, 47%, 100%
XYZ	44.0877, 33.7126, 98.7912
YIQ	160.6290, -16.1470, 44.8530

Conversions

Conversions Part 2

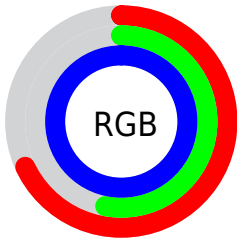
Format	Color
RYB	173, 136, 255
Decimal	11372799
CIELab	64.73, 39.06, -54.42
CIELCh	65, 66.987, 305.664
Yxy	33.7126, 0.2497, 0.1909
Android (android.graphics.Color)	4289562879 (0xFFAD88FF)
YUV	160.6290, 46.5249, 10.8494
Hunter-Lab	58.0626, 33.9281, -60.2359

Details

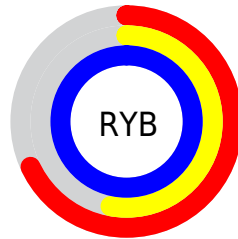
The XYZ color **44.0877, 33.7126, 98.7912** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **69.1175, 88.2031, 36.6757**, and the grayscale version is **33.5021, 35.2468, 38.3838**.

A 20% lighter version of the original color is **69.4185, 61.0358, 102.7301**, and **20.7777, 14.3561, 55.1020** is the 20% darker color. If you saturate the color by 10%, you get **37.2810, 25.4921, 97.5633**, and if you desaturate by 10%, it is **52.2620, 43.9072, 100.3282**.

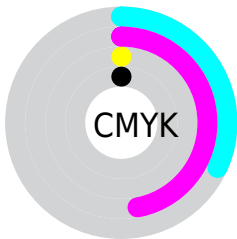
Distribution



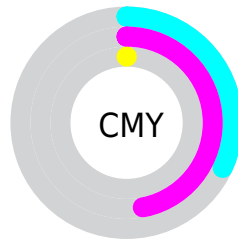
- Red (68%)
- Green (53%)
- Blue (100%)



- Red (68%)
- Yellow (53%)
- Blue (100%)



- Cyan (32%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)



- Cyan (32%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.0877, 33.7126, 98.7912 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 44.0877, 33.7126, 98.7912 by changing the saturation by 10% instead.

44.0877, 33.7126,
98.7912

44.0877, 33.7126,
98.7912

353.9122,
318.8486, 577.5237

30.9377, 22.6729,
74.6802

80.5952, 65.4865,
161.5324

20.7030, 14.3522,
54.8507

104.6834, 86.9895,
200.9996

13.0183, 8.3660,
38.8844

133.1484,
112.7490, 246.4226

7.5182, 4.3300,
26.3627

166.3555,
143.1495, 298.2200

3.8374, 1.8598,
16.8670

204.6701,
178.5753, 356.8102

1.6106, 0.5241,
9.9787

248.4575,

0.3993, 0.0000,

219.4108, 422.6119

5.2794

298.0831,
266.0405, 496.0435

■ 0.0000, 0.0000,
2.3505

■ 0.0000, 0.0000,
0.7593

■ 44.0877, 33.7126,
98.7912

■ 44.0877, 33.7126,
98.7912

■ 37.2810, 25.4921,
97.5633

■ 52.2620, 43.9072,
100.3282

■ 31.7570, 19.1089,
96.6224

■ 61.8744, 56.1930,
102.1929

■ 27.4259, 14.4137,
95.9444

■ 72.9948, 70.6819,
104.4035

■ 24.1834, 11.2312,
95.5010

■ 85.6871, 87.4769,
106.9763

■ 21.9020, 9.3428,
95.2567

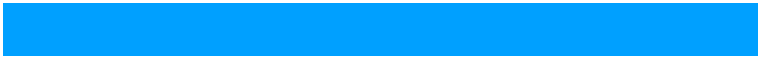
95.0500, 100.0000,
108.9000

■ 21.2985, 8.8947,
95.2020

Harmonies

Analogous

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



33.9041, 33.7126, 118.7304



44.0877, 33.7126, 98.7912



52.0331, 33.7126, 63.1627

Triad

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



44.0877, 33.7126, 98.7912



40.2890, 33.7126, 6.4989



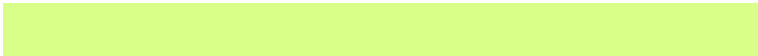
16.9309, 33.7126, 42.1903

Complementary

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



44.0877, 33.7126, 98.7912



69.1175, 88.2031, 36.6757

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.



17.9668, 33.7126, 18.9134



44.0877, 33.7126, 98.7912



30.2509, 33.7126, 5.1944

Square

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



44.0877, 33.7126, 98.7912



49.5504, 33.7126, 13.6678



22.4196, 33.7126, 8.2916



19.2376, 33.7126, 77.0857

Rectangle

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



44.0877, 33.7126, 98.7912



54.2626, 33.7126, 40.8612



22.4196, 33.7126, 8.2916



16.9064, 33.7126, 32.8449

Sweetspot

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



44.0889, 33.7138, 98.7914



76.2216, 74.9290, 105.0532



53.6139, 63.2747, 103.9952



15.7536, 15.2993, 22.3727



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.



44.0889, 33.7138, 98.7914



37.6932, 25.9806, 97.6358



59.8744, 41.8515, 99.5302



17.5343, 17.6517, 22.7329



11.2629, 4.7167, 49.7514



1.2032, 0.5142, 4.8491

Inverse Universe

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



62.6995, 43.9311, 71.5044



58.7639, 37.5756, 65.5201



54.6619, 80.7509, 35.9992



18.5381, 18.1986, 21.4508



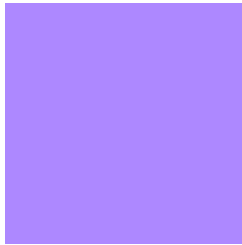
25.6989, 12.7688, 22.8625



2.5514, 1.2629, 2.4851

Previews

White Background



This preview shows how the XYZ color 44.0877, 33.7126, 98.7912 looks on a white background.

Color Contrast Check

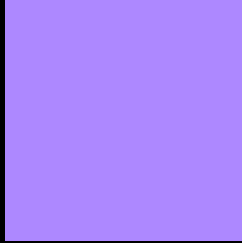
Large Text (above 18pt) WCAG AA × Fail

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 44.0877, 33.7126, 98.7912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

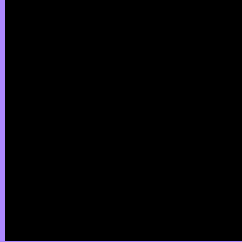
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.0877, 33.7126, 98.7912

Background



This preview shows how black text looks on a background with the XYZ color 44.0877, 33.7126, 98.7912.



This preview shows how white text looks on a background with the XYZ color 44.0877, 33.7126,

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

44.0877, 33.7126, 98.7912

Protanopia

36.8081, 34.0442, 99.2389

Deuteranopia

35.0212, 33.9591, 95.1514



Tritanopia

32.4739, 33.5726, 41.8144

Trichromacy



Original Color

44.0877, 33.7126, 98.7912



Protanomaly

38.8002, 33.4058, 99.0107



Deuteranomaly

37.3714, 33.1903, 96.5321



Tritanomaly

36.0731, 33.3464, 59.1788

Monochromacy



Original Color

44.0877, 33.7126, 98.7912



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

36.5956, 34.3959, 56.3400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.0877, 33.7126, 98.7912 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(173, 136, 255)` looks like.

```
.text, #text, p{  
    color:rgb(173, 136, 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(173, 136, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 136, 255) }
```

Border

The CSS property to change the border of an element to XYZ 44.0877, 33.7126, 98.7912 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(173, 136, 255) }
```


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

```
.border{ border-color:rgb(173, 136, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 136, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(173, 136, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(173, 136, 255); box-shadow:4px 4px 4px 4px rgb(173, 136, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 44.0877, 33.7126, 98.7912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 136, 255) }
```

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

```
.background{ background-color: rgb(173,  
136, 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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