

Converting Colors

XYZ(49.2963, 36.0772,
123.8970)

Have a look what the booklet for
XYZ(49.2963, 36.0772, 123.8970)
contains.

XYZ(44.4512, 34.1100, 98.8488)	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(44.4512, 34.1100,
98.8488)**

Conversions

Conversions Part 1

Format	Color
Hex	AE89FF
RGB	174, 137, 255
RGB Percent	68%, 54%, 100%
CMY	0.3176, 0.4627, 0.0000
CMYK	0.32, 0.46, 0.00, 0.00
HSL	259°, 100%, 77%
HSV	259°, 46%, 100%
XYZ	44.4512, 34.1100, 98.8488
YIQ	161.5150, -15.8260, 44.5420

Conversions

Conversions Part 2

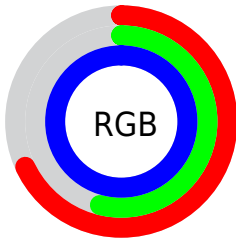
Format	Color
RYB	174, 137, 255
Decimal	11438591
CIELab	65.05, 38.75, -53.92
CIELCh	65, 66.399, 305.708
Yxy	34.1100, 0.2506, 0.1923
Android (android.graphics.Color)	4289628671 (0xFFAE89FF)
YUV	161.5150, 46.0881, 10.9493
Hunter-Lab	58.4038, 33.6500, -59.4661

Details

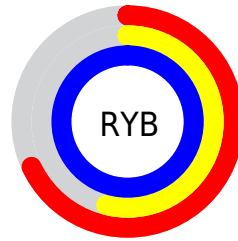
The XYZ color **44.4512, 34.1100, 98.8488** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **69.1888, 88.2316, 37.0518**, and the grayscale version is **33.9143, 35.6805, 38.8560**.

A 20% lighter version of the original color is **69.9595, 61.6374, 102.8177**, and **20.9920, 14.5843, 55.1347** is the 20% darker color. If you saturate the color by 10%, you get **37.5967, 25.8168, 97.6093**, and if you desaturate by 10%, it is **52.6728, 44.3805, 100.3979**.

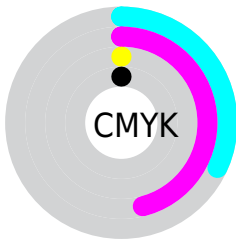
Distribution



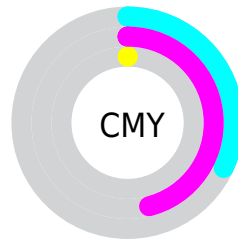
- Red (68%)
- Green (54%)
- Blue (100%)



- Red (68%)
- Yellow (54%)
- Blue (100%)



- Cyan (32%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)



- Cyan (32%)
- Magenta (46%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.4512, 34.1100, 98.8488 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 44.4512, 34.1100, 98.8488 by changing the saturation by 10% instead.

44.4512, 34.1100,
98.8488

44.4512, 34.1100,
98.8488

355.3675,
320.6223, 577.7106

31.2248, 22.9781,
74.7280

81.1384, 66.1047,
161.6123

20.9228, 14.5773,
54.8897

105.3299, 87.7363,
201.0921

13.1797, 8.5233,
38.9154

133.9072,
113.6366, 246.5286

7.6303, 4.4316,
26.3866

167.2356,
144.1900, 298.3403

3.9091, 1.9178,
16.8847

205.6805,
179.7808, 356.9458

1.6508, 0.5590,
9.9912

249.6072,

0.4252, 0.0000,

220.7936, 422.7637

5.2876

299.3811,
267.6126, 496.2124

■ 0.0000, 0.0000,
2.3553

■ 0.0000, 0.0000,
0.7620

■ 44.4512, 34.1100,
98.8488

■ 44.4512, 34.1100,
98.8488

■ 37.5967, 25.8168,
97.6093

■ 52.6728, 44.3805,
100.3979

■ 32.0248, 19.3646,
96.6576

■ 62.3315, 56.7447,
102.2753

■ 27.6466, 14.6052,
95.9697

■ 73.4968, 71.3141,
104.4990

■ 24.3586, 11.3646,
95.5175

■ 86.2322, 88.1912,
107.0854

■ 22.0356, 9.4278,
95.2661

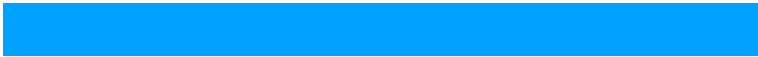
95.0500, 100.0000,
108.9000

■ 21.3550, 8.9238,
95.2047

Harmonies

Analogous

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



34.2942, 34.1100, 118.6525



44.4512, 34.1100, 98.8488



52.3573, 34.1100, 63.4542

Triad

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



44.4512, 34.1100, 98.8488



40.6354, 34.1100, 6.7668



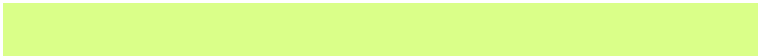
17.2857, 34.1100, 42.6587

Complementary

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



44.4512, 34.1100, 98.8488



69.1888, 88.2316, 37.0518

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.



18.3216, 34.1100, 19.3404



44.4512, 34.1100, 98.8488



30.6164, 34.1100, 5.4420

Square

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



44.4512, 34.1100, 98.8488



49.8669, 34.1100, 14.0171



22.7837, 34.1100, 8.6042



19.6074, 34.1100, 77.4022

Rectangle

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



44.4512, 34.1100, 98.8488



54.5692, 34.1100, 41.2444



22.7837, 34.1100, 8.6042



17.2595, 34.1100, 33.3173

Sweetspot

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



44.4524, 34.1112, 98.8490



76.2519, 74.9446, 105.0546



53.8556, 63.5158, 104.0290



15.7609, 15.3031, 22.3730



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.



44.4524, 34.1112, 98.8490



37.7666, 26.0184, 97.6393



60.0805, 42.1678, 99.5804



17.5389, 17.6540, 22.7331



11.2932, 4.7323, 49.7528



1.2066, 0.5159, 4.8493

Inverse Universe

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



62.8409, 44.2141, 71.5514



58.7168, 37.5567, 65.2723



54.8935, 80.8620, 36.3828



18.5360, 18.1977, 21.4396



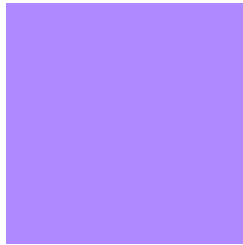
25.6645, 12.7551, 22.6814



2.5482, 1.2617, 2.4685

Previews

White Background



This preview shows how the XYZ color 44.4512, 34.1100, 98.8488 looks on a white background.

Color Contrast Check

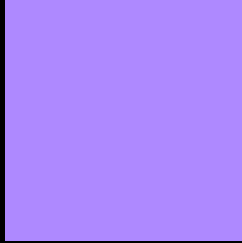
Large Text (above 18pt) WCAG AA × Fail

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 44.4512, 34.1100, 98.8488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

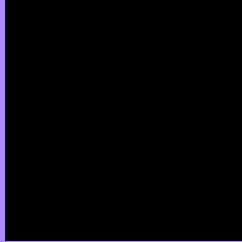
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.4512, 34.1100, 98.8488

Background



This preview shows how black text looks on a background with the XYZ color 44.4512, 34.1100, 98.8488.



This preview shows how white text looks on a background with the XYZ color 44.4512, 34.1100,

98.8488.

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

44.4512, 34.1100, 98.8488

Protanopia

37.2426, 34.5142, 99.3068

Deuteranopia

35.5833, 34.4829, 96.0472



Tritanopia

33.1230, 34.1466, 42.3813

Trichromacy



Original Color

44.4512, 34.1100, 98.8488



Protanomaly

39.1211, 33.8031, 99.0705



Deuteranomaly

37.8371, 33.6663, 96.5995



Tritanomaly

36.4359, 33.7694, 59.2413

Monochromacy



Original Color

44.4512, 34.1100, 98.8488



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

37.0809, 34.8750, 57.0017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.4512, 34.1100, 98.8488 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(174, 137, 255)` looks like.

```
.text, #text, p{  
    color:rgb(174, 137, 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(174, 137, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 137, 255) }
```

Border

The CSS property to change the border of an element to XYZ 44.4512, 34.1100, 98.8488 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(174, 137, 255) }
```


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

```
.border{ border-color:rgb(174, 137, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 137, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 137, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 137, 255);  
box-shadow:4px 4px 4px 4px rgb(174, 137,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 44.4512, 34.1100, 98.8488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 137, 255) }
```

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

```
.background{ background-color: rgb(174,  
137, 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