

Converting Colors

XYZ(46.2251, 37.7217, 99.4524)

Have a look what the booklet for
XYZ(46.2251, 37.7217, 99.4524)
contains.

XYZ(46.2530, 37.7136, 99.4494)	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(46.2530, 37.7136,
99.4494)**

Conversions

Conversions Part 1

Format	Color
Hex	AE95FF
RGB	174, 149, 255
RGB Percent	68%, 58%, 100%
CMY	0.3176, 0.4157, 0.0000
CMYK	0.32, 0.42, 0.00, 0.00
HSL	254°, 100%, 79%
HSV	254°, 42%, 100%
XYZ	46.2530, 37.7136, 99.4494
YIQ	168.5590, -19.1260, 38.2660

Conversions

Conversions Part 2

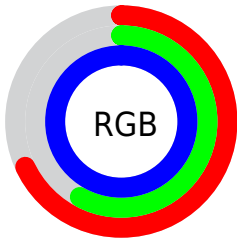
Format	Color
RYB	174, 149, 255
Decimal	11441663
CIELab	67.81, 32.04, -49.55
CIELCh	68, 59.005, 302.884
Yxy	37.7136, 0.2522, 0.2056
Android (android.graphics.Color)	4289631743 (0xFFAE95FF)
YUV	168.5590, 42.6154, 4.7718
Hunter-Lab	61.4114, 26.9702, -53.0260

Details

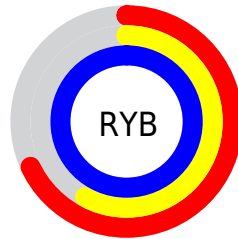
The XYZ color **46.2530, 37.7136, 99.4494** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **73.8181, 90.5130, 42.0152**, and the grayscale version is **37.2990, 39.2414, 42.7339**.

A 20% lighter version of the original color is **72.6846, 67.0877, 103.7261**, and **22.0319, 16.6641, 55.4814** is the 20% darker color. If you saturate the color by 10%, you get **38.6208, 28.4320, 98.0601**, and if you desaturate by 10%, it is **55.4007, 49.0887, 101.1629**.

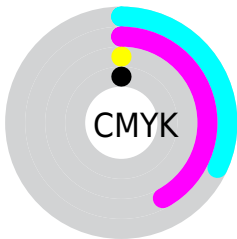
Distribution



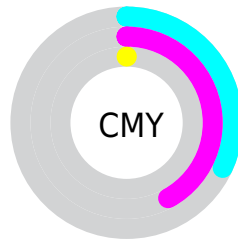
- Red (68%)
- Green (58%)
- Blue (100%)



- Red (68%)
- Yellow (58%)
- Blue (100%)



- Cyan (32%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)



- Cyan (32%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2530, 37.7136, 99.4494 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 46.2530, 37.7136, 99.4494 by changing the saturation by 10% instead.

46.2530, 37.7136,
99.4494

46.2530, 37.7136,
99.4494

362.5238,
336.3898, 579.6575

32.6510, 25.7605,
75.2265

83.8231, 71.6689,
162.4456

22.0172, 16.6445,
55.2956

108.5218, 94.4400,
202.0559

13.9862, 9.9814,
39.2382

137.6502,
121.5857, 247.6325

8.1927, 5.3866,
26.6359

171.5735,
153.4907, 299.5938

4.2713, 2.4758,
17.0699

210.6572,
190.5391, 358.3585

1.8568, 0.8645,
10.1219

255.2666,

0.5515, 0.0000,

233.1156, 424.3449

5.3732

305.7670,
281.6043, 497.9718

■ 0.0000, 0.0000,
2.4053

■ 0.0000, 0.0000,
0.7893

■ 46.2530, 37.7136,
99.4494

■ 46.2530, 37.7136,
99.4494

■ 38.6208, 28.4320,
98.0601

■ 55.4007, 49.0887,
101.1629

■ 32.4149, 21.1095,
96.9738

■ 66.1382, 62.6724,
103.2189

■ 27.5424, 15.6021,
96.1676

■ 78.5398, 78.5758,
105.6349

■ 23.8969, 11.7434,
95.6149

■ 92.6735, 96.9017,
108.4272

■ 21.3539, 9.3352,
95.2841

95.0500, 100.0000,
108.9000

■ 19.9222, 8.1852,
95.1376

Harmonies

Analogous

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



36.7367, 37.7136, 114.5787



46.2530, 37.7136, 99.4494



53.8629, 37.7136, 68.5240

Triad

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



46.2530, 37.7136, 99.4494



44.4623, 37.7136, 10.5910



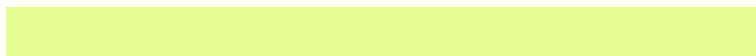
21.0093, 37.7136, 43.6472

Complementary

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



46.2530, 37.7136, 99.4494



73.8181, 90.5130, 42.0152

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.



22.3743, 37.7136, 22.1381



46.2530, 37.7136, 99.4494



34.9691, 37.7136, 8.5272

Square

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



46.2530, 37.7136, 99.4494



52.7117, 37.7136, 19.3593



27.1298, 37.7136, 11.6500



23.0260, 37.7136, 74.8786

Rectangle

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



46.2530, 37.7136, 99.4494



56.2527, 37.7136, 47.6157



27.1298, 37.7136, 11.6500



21.0885, 37.7136, 35.1421

Sweetspot

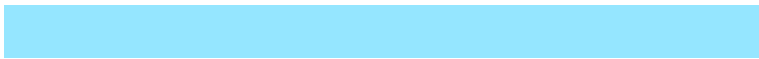
The Sweet Spot groups the original color and five complimentary colors.



46.2543, 37.7150, 99.4496



77.9679, 77.8384, 105.5227



58.8163, 70.3524, 105.0872



16.3229, 16.1899, 22.5146



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.



46.2543, 37.7150, 99.4496



39.7206, 29.7540, 98.2573



60.3927, 45.0036, 100.1113



17.4040, 17.5845, 22.7268



10.5185, 4.3329, 49.7165



1.1159, 0.4692, 4.8450

Inverse Universe

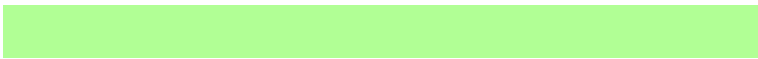
The Inverse Universe completely reimagines the original color for something new.



66.2708, 48.4691, 80.7253



62.4749, 42.0005, 75.9968



59.3779, 83.0688, 41.3394



18.5987, 18.2228, 21.7697



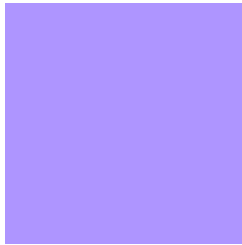
26.7481, 13.1886, 28.3879



2.6465, 1.3010, 2.9858

Previews

White Background



This preview shows how the XYZ color 46.2530, 37.7136, 99.4494 looks on a white background.

Color Contrast Check

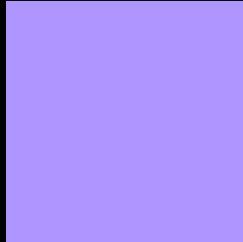
Large Text (above 18pt) WCAG AA × Fail

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 46.2530, 37.7136, 99.4494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

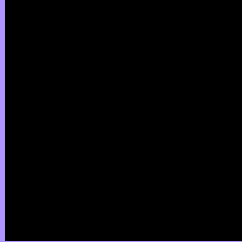
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2530, 37.7136, 99.4494

Background



This preview shows how black text looks on a background with the XYZ color 46.2530, 37.7136, 99.4494.



This preview shows how white text looks on a background with the XYZ color 46.2530, 37.7136,

99.4494.

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

46.2530, 37.7136, 99.4494

Protanopia

40.3304, 37.8860, 99.7948

Deuteranopia

39.1942, 38.1495, 97.3933



Tritanopia

35.8735, 37.7962, 48.0525

Trichromacy



Original Color

46.2530, 37.7136, 99.4494

Protanomaly

42.1396, 37.5370, 99.6321

Deuteranomaly

41.2831, 37.6389, 98.0177

Tritanomaly

39.1431, 37.5391, 64.2142

Monochromacy



Original Color

46.2530, 37.7136, 99.4494

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

40.1402, 38.6687, 59.9918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2530, 37.7136, 99.4494 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, 149, 255)` looks like.

```
.text, #text, p{  
    color:rgb(174, 149, 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, 149, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 149, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.2530, 37.7136, 99.4494 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, 149, 255) }
```


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

```
.border{ border-color:rgb(174, 149, 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, 149, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 149, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 149, 255);  
box-shadow:4px 4px 4px 4px rgb(174, 149,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2530, 37.7136, 99.4494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 149, 255) }
```

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

```
.background{ background-color: rgb(174,  
149, 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